

136

April 26, 2024 Letting

Notice to Bidders, Specifications and Proposal



**Illinois Department
of Transportation**

**Contract No. 76T46
RANDOLPH County
Section 119-1BR-1
Route UNMARKED
District 8 Construction Funds**

Prepared by

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Checked by

(Printed by authority of the State of Illinois)



- 1. TIME AND PLACE OF OPENING BIDS.** Electronic bids are to be submitted to the electronic bidding system (iCX-Integrated Contractors Exchange). All bids must be submitted to the iCX system prior to 12:00 p.m. April 26, 2024 prevailing time at which time the bids will be publicly opened from the iCX SecureVault.
- 2. DESCRIPTION OF WORK.** The proposed improvement is identified and advertised for bids in the Invitation for Bids as:

**Contract No. 76T46
RANDOLPH County
Section 119-1BR-1
Route UNMARKED
District 8 Construction Funds**

Bridge repair on Little Mary-s Covered Bridge (SN 079-9000) on IL 150, 4 miles northeast of Chester.

- 3. INSTRUCTIONS TO BIDDERS.** (a) This Notice, the invitation for bids, proposal and letter of award shall, together with all other documents in accordance with Article 101.09 of the Standard Specifications for Road and Bridge Construction, become part of the contract. Bidders are cautioned to read and examine carefully all documents, to make all required inspections, and to inquire or seek explanation of the same prior to submission of a bid.

(b) State law, and, if the work is to be paid wholly or in part with Federal-aid funds, Federal law requires the bidder to make various certifications as a part of the proposal and contract. By execution and submission of the proposal, the bidder makes the certification contained therein. A false or fraudulent certification shall, in addition to all other remedies provided by law, be a breach of contract and may result in termination of the contract.
- 4. AWARD CRITERIA AND REJECTION OF BIDS.** This contract will be awarded to the lowest responsive and responsible bidder considering conformity with the terms and conditions established by the Department in the rules, Invitation for Bids and contract documents. The issuance of plans and proposal forms for bidding based upon a prequalification rating shall not be the sole determinant of responsibility. The Department reserves the right to determine responsibility at the time of award, to reject any or all proposals, to readvertise the proposed improvement, and to waive technicalities.

By Order of the
Illinois Department of Transportation

Omer Osman,
Secretary

INDEX
FOR
SUPPLEMENTAL SPECIFICATIONS
AND RECURRING SPECIAL PROVISIONS

Adopted January 1, 2024

This index contains a listing of SUPPLEMENTAL SPECIFICATIONS and frequently used RECURRING SPECIAL PROVISIONS.

ERRATA Standard Specifications for Road and Bridge Construction (Adopted 1-1-22) (Revised 1-1-24)

SUPPLEMENTAL SPECIFICATIONS

<u>Std. Spec. Sec.</u>	<u>Page No.</u>
202 Earth and Rock Excavation	1
204 Borrow and Furnished Excavation	2
207 Porous Granular Embankment	3
211 Topsoil and Compost	4
407 Hot-Mix Asphalt Pavement (Full-Depth)	5
420 Portland Cement Concrete Pavement	6
502 Excavation for Structures	7
509 Metal Railings	8
540 Box Culverts	9
542 Pipe Culverts	29
586 Granular Backfill for Structures	34
630 Steel Plate Beam Guardrail	35
644 High Tension Cable Median Barrier	36
665 Woven Wire Fence	37
782 Reflectors	38
801 Electrical Requirements	40
821 Roadway Luminaires	43
1003 Fine Aggregates	44
1004 Coarse Aggregates	45
1010 Finely Divided Minerals	46
1020 Portland Cement Concrete	47
1030 Hot-Mix Asphalt	48
1061 Waterproofing Membrane System	49
1067 Luminaire	50
1097 Reflectors	57

RECURRING SPECIAL PROVISIONS

The following RECURRING SPECIAL PROVISIONS indicated by an "X" are applicable to this contract and are included by reference:

<u>CHECK SHEET #</u>		<u>PAGE NO.</u>
1	Additional State Requirements for Federal-Aid Construction Contracts	59
2	Subletting of Contracts (Federal-Aid Contracts)	62
3	X EEO	63
4	X Specific EEO Responsibilities Non Federal-Aid Contracts	73
5	X Required Provisions - State Contracts	78
6	Asbestos Bearing Pad Removal	84
7	Asbestos Waterproofing Membrane and Asbestos HMA Surface Removal	85
8	Temporary Stream Crossings and In-Stream Work Pads	86
9	Construction Layout Stakes	87
10	Use of Geotextile Fabric for Railroad Crossing	90
11	Subsealing of Concrete Pavements	92
12	Hot-Mix Asphalt Surface Correction	96
13	Pavement and Shoulder Resurfacing	98
14	Patching with Hot-Mix Asphalt Overlay Removal	99
15	Polymer Concrete	101
16	Reserved	103
17	Bicycle Racks	104
18	Temporary Portable Bridge Traffic Signals	106
19	Nighttime Inspection of Roadway Lighting	108
20	English Substitution of Metric Bolts	109
21	Calcium Chloride Accelerator for Portland Cement Concrete	110
22	Quality Control of Concrete Mixtures at the Plant	111
23	Quality Control/Quality Assurance of Concrete Mixtures	119
24	Reserved	135
25	Reserved	136
26	Temporary Raised Pavement Markers	137
27	Restoring Bridge Approach Pavements Using High-Density Foam	138
28	Portland Cement Concrete Inlay or Overlay	141
29	Portland Cement Concrete Partial Depth Hot-Mix Asphalt Patching	145
30	Longitudinal Joint and Crack Patching	148
31	Concrete Mix Design – Department Provided	150
32	Station Numbers in Pavements or Overlays	151

TABLE OF CONTENTS

LOCATION OF PROJECT 1
DESCRIPTION OF PROJECT 1
SUBMITTAL OF EEO/LABOR DOCUMENTATION 1
TRAFFIC CONTROL PLAN 3
CEDAR SHINGLES 4
UNTREATED TIMBER..... 5
PAINTING TIMBER STRUCTURE 5
VIDEO SURVEILLANCE SYSTEM COMPLETE..... 6
REMOVE EXISTING SURVEILLANCE CAMERA EQUIPMENT 12
FIRE PROTECTION SYSTEM..... 12
REMOVE EXISTING CABLE 18
ADDRESSABLE FIRE ALARM SYSTEM 18
LUMINAIRE, LED, SPECIAL 23
LUMINAIRE REPLACEMENT SPECIAL 23
COMBINATION LIGHTING CONTROLLER..... 24
REMOVE EXISTING CONDUIT ATTACHED TO STRUCTURE 25
REMOVE EXISTING LIGHTING CONTROLLER (TIMECLOCK ONLY) 25
STATUS OF UTILITIES TO BE ADJUSTED 26
CEMENT, TYPE IL (BDE)..... 27
COMPENSABLE DELAY COSTS (BDE)..... 27
DISADVANTAGED BUSINESS ENTERPRISE PARTICIPATION (BDE) 30
ILLINOIS WORKS APPRENTICESHIP INITIATIVE – STATE FUNDED CONTRACTS (BDE)..... 39
PERFORMANCE GRADED ASPHALT BINDER (BDE)..... 39
REMOVAL AND DISPOSAL OF REGULATED SUBSTANCES (BDE) 44
SUBCONTRACTOR AND DBE PAYMENT REPORTING (BDE) 45
SUBCONTRACTOR MOBILIZATION PAYMENTS (BDE) 46
SUBMISSION OF PAYROLL RECORDS (BDE) 46
WEEKLY DBE TRUCKING REPORTS (BDE)..... 47
WORK ZONE TRAFFIC CONTROL DEVICES (BDE) 48
WORKING DAYS (BDE) 49

STATE OF ILLINOIS

SPECIAL PROVISIONS

The following Special Provisions supplement the "Standard Specifications for Road and Bridge Construction," adopted January 1, 2022, the latest edition of the "Manual on Uniform Traffic Control Devices for Streets and Highways," and the "Manual of Test Procedures for Materials" in effect on the date of invitation for bids, and the Supplemental Specifications and Recurring Special Provisions indicated on the Check Sheet included herein which apply to and govern the construction of Unmarked route (IL 150), Section 119-1BR-1, Randolph County, Contract No. 76T46, and in case of conflict with any part or parts of said Specifications, the said Special Provisions shall take precedence and shall govern.

Unmarked route (IL 150)
Section 119-1BR-1
Randolph County
Contract No. 76T46

LOCATION OF PROJECT

This project is located at the Little Mary's Covered Bridge (SN 079-9000) over Little Mary's River, 4 miles northeast of Chester.

DESCRIPTION OF PROJECT

The project consists of bridge repair and all collateral work necessary to complete the work according to the Standard Specifications, the plans, and the special provisions.

SUBMITTAL OF EEO/LABOR DOCUMENTATION

Effective: April 2016

This work shall be done in accordance with Check Sheets No. 1, 3, and 5 of the IDOT Supplemental Specifications and Recurring Special Provisions and the Weekly DBE Trucking Reports (BDE) special provision, except as here-in modified.

PAYROLL AND STATEMENT OF COMPLIANCE:

Certified payroll (FORM SBE 48 OR AN APPROVED FACSIMILE) and the Statement of Compliance (FORM SBE 348) shall be submitted by two methods:

1. By Mail (United States Postal Service): The ORIGINAL of the certified payroll and the Statement of Compliance for the Prime Contractor and each Subcontractor shall be submitted by mail to the Regional Engineer for District 8.
2. Electronically: Scan both the ORIGINAL of the certified payroll and the Statement of Compliance to the same PDF file, and email to the District at the email address designated by the District EEO Officer.

SBE 48 and SBE 348 forms shall be submitted weekly and will be considered late if received after midnight seven business days after the payroll ending date.

WEEKLY DBE TRUCKING REPORT:

The Weekly DBE Trucking Report (FORM SBE 723) shall be submitted electronically. Scan the form to a PDF file, and email to the District at the email address designated by the District EEO Officer.

SBE 723 forms shall be submitted weekly and will be considered late if received after midnight ten business days following the reporting period.

MONTHLY LABOR SUMMARY & MONTHLY CONTRACT ACTIVITY REPORTS:

The Monthly Labor Summary Report (MLSR) shall be submitted by one of two methods:

1. For contractors having IDOT contracts valued in the aggregate at \$250,000 or less, the report may be typed or clearly handwritten using Form D8 PI0148. Submit the ORIGINAL report by mail to the Regional Engineer for District Eight. Contractors also have the option of using the method #2 outlined below.
2. For contractors having IDOT contracts valued in the aggregate at more than \$250,000, the report must be submitted in a specific "Fixed Length Comma Delimited ASCII Text File Format". This file shall be submitted by e-mail using specific file formatting criteria provided by the District EEO Officer. Contractors must submit a sample text file to District 8 for review at least 14 days prior to the start of construction.

The Monthly Contract Activity Report (MCAR) may be typed or clearly handwritten using Form D8 PI0149.

The MLSR and the MCAR shall be submitted concurrently. If the method of transmittal is method #1 above, then both the MLSR and the MCAR shall be mailed together in the same envelope. If the method of transmittal is method #2 above, then the MCAR shall be scanned to a .pdf file and attached to the email containing the MLSR .txt file.

The MLSR and MCAR must be submitted for each consecutive month for the duration of the project and will be considered late if received after midnight ten calendar days following the reporting period.

REQUEST FOR APPROVAL OF SUBCONTRACTOR:

The ORIGINAL and one copy of the Request for Approval of Subcontractor (FORM BC 260A) shall be submitted to the District at the IDOT Preconstruction Conference.

SUBSTANCE ABUSE PREVENTION PROGRAM CERTIFICATION:

The ORIGINAL and one copy of the Substance Abuse Prevention Program Certification (FORM BC 261) shall be submitted to the District at the IDOT Preconstruction Conference.

The Contractor is required to follow submittal procedures as provided by the EEO Officer at the preconstruction conference and to follow all revisions to those procedures as issued thereafter.

If a report is rejected, it is the Contractor's responsibility to make required adjustments and/or corrections and resubmit the report. Reports not submitted and accepted within the established timeframes will be considered late.

Disclosure of this information is necessary to accomplish the statutory purpose as outlined under 23CFR part 230 and 41CFR part 60.4 and the Illinois Human Rights Act. Disclosure of this information is REQUIRED. **Failure to comply with this special provision may result in the withholding of payments to the Contractor and/or cancellation, termination, or suspension of the contract in whole or part.**

This special provision must be included in each subcontract agreement.

ALL HARD COPY FORMS TO BE SUBMITTED TO:

Region 5 Engineer
Illinois Department of Transportation
ATTN: EEO/LABOR OFFICE
1102 Eastport Plaza Drive
Collinsville, IL 62234-6198

Compliance with this special provision shall be included in the cost of the contract, and no additional compensation will be allowed for any costs incurred.

TRAFFIC CONTROL PLAN

Effective: July 12, 1993

Revised: May 12, 1997

Traffic control shall be in accordance with the applicable sections of the Standard Specifications for Road and Bridge Construction, the applicable guidelines contained in the National Manual on Uniform Traffic Control Devices for Streets and Highways, Illinois Supplement to the National Manual of Uniform Traffic Control Devices, these special provisions, and any special details and highway standards contained herein and in the plans.

Special attention is called to Articles 107.09 and 107.14 of the Standard Specifications for Road and Bridge Construction and the following highway standards relating to traffic control:

701001 701901

In addition, the following special provisions will also govern traffic control for this project:

Work Zone Traffic Control Devices

CEDAR SHINGLES

This work shall consist of furnishing all material, equipment, and labor necessary to install new cedar shingles as specified herein, as shown on the plans, and as directed by the Engineer.

The new shingles shall be red cedar #2, shall have a nominal thickness of ½ inch, a length of 24 inches, and random widths varying from 4 to 14 inches. The shingles shall be preservative treated with chromated copper arsenate that meets the requirements of AWPA Standard P23-14, Type C. The minimum preservative retention shall be 0.4 pounds per cubic foot and shall meet the requirements of AWPA Standard U1. The new shingles shall have a 30-year warranty against decay and termite attack.

A sample of the shingle shall be submitted to the Engineer for his/her approval to size, appearance, and physical properties prior to ordering material. The sample shall be accompanied by a product data sheet that details the wood species, grade, preservative treatment, and warranty information. The Contractor shall comply with all the manufacturer's warranty requirements and shall provide any required warranty information to the Engineer in a timely manner to ensure that he/she does not cause a delay or deficiency in the terms of the warranty. The Engineer shall be responsible for registering the product as owned by the Illinois Department of Transportation.

The shingles shall be attached with galvanized fasteners of the size and type defined in the written recommendations of the shingle manufacturer.

The manufacturer shall provide written certification of species, grade, and pressure treatment. The certification shall list the quantity of each material being certified and the specific contract number of the project. Additionally, shingles shall be identified with the required markings for grade and preservative treatment when required per respective specification.

Method of measurement: This work will be measured in square feet for the area of cedar shingles applied.

Basis of payment: This work will be paid for at the contract unit price per SQUARE FOOT for CEDAR SHINGLES.

UNTREATED TIMBER

This work shall be performed in accordance with Section 507 of the Standard Specifications, except as modified herein.

All structural timber shall be red oak conforming to the requirements for the stresses and grades as specified in the plans and shall be rough sawn to the shown dimensions. Nominal sizes will not be permitted.

Grading for red oak shall be per the Standard Grading Rules for Northeastern Lumber published by the Northeastern Lumber Manufacturing Association (NELMA). Inspection shall be per the requirements of the IDOT Bureau of Materials and Physical Research Policy Memorandum 2001-08 (PM2001-08), titled "Inspection Procedures and Approved Inspection Agencies for Timber and Preservative-Treated Timber Products" except as stated above. The grading inspection shall be performed by an independent agency engaged by the Contractor, or by the Contractor's supplier, and subject to the approval of the District Materials Engineer. The name and location of the timber producer, supplier, and grading agency shall be supplied at the preconstruction conference for Department review.

Members included in this item are rafters, rafter extensions, rafter ties, ridge connection plates, nailers, knee braces, roof beams, and other timber members viewable from inside the bridge. Included in this item shall be the removal of the existing roof shingles, existing roof nailers, and existing roof rafters and extensions at the south end of the bridge. Also included is the removal of the existing siding and siding support members at the gable ends of the bridge, as well as the detachment and reattachment of any existing members to remain that may be required to facilitate proposed construction.

Method of measurement: This work will be measured in accordance with Article 507.17 of the Standard Specifications except that the computation of quantity will be based on actual widths and thicknesses of the material.

Basis of payment: This work will be paid for at the contract unit price per FOOT BOARD MEASURE for UNTREATED TIMBER.

PAINTING TIMBER STRUCTURE

This work shall consist of furnishing all labor, equipment, and material required to paint the new and existing siding on the bridge as specified herein.

Painting shall include one coat of an exterior oil-based primer and two coats of an exterior latex paint. The paint may be sprayed on. However, all coats shall be back-rolled immediately after spraying to ensure a uniform coat and finish. Preparation of the new and existing surfaces receiving paint shall be in accordance with the manufacturer's written instructions. The finish coat shall have a color matching that of the existing paint and shall have a satin finish.

Acceptable primer and paint products for the exterior portions of the bridge to be painted include the following:

1. Sherwin Williams A-100 Exterior Oil Wood Primer
Sherwin Williams A-100 Exterior Latex Paint
2. Benjamin Moore Moorcraft Superspec Alkyd Exterior Primer 176
Benjamin Moore Moorcraft Superspec Latex House and Trim Paint 170
3. Valspar Pro-Hide Oil Based Exterior Primer
Valspar Defense Exterior Latex Paint

Method of Measurement: This work will be measure in square feet for the area of the timber structure to be painted.

Basis of Payment: This work will be paid for at the contract unit price per SQUARE FOOT for PAINTING TIMBER STRUCTURE.

VIDEO SURVEILLANCE SYSTEM COMPLETE

This work shall consist of the complete installation of the video surveillance system including labor and parts for the video recording and viewing equipment, cameras, and accessories as detailed herein.

Part 1 General

1.01 Section Includes

- A. Video surveillance system requirements.
- B. Video recording and viewing equipment.
- C. Cameras.
- D. Accessories.

1.02 Reference Standards

- A. 47 CFR 15 - Radio Frequency Devices; current edition.
- B. IEEE C2 - National Electrical Safety Code(R) (NESC(R)); 2023.
- C. NECA 1 - Standard for Good Workmanship in Electrical Construction; 2015.
- D. NECA 303 - Standard for Installing and Maintaining Closed-Circuit Television (CCTV) Systems; 2019.
- E. NFPA 70 - National Electrical Code; most recent edition adopted by authority having jurisdiction, including all applicable amendments and supplements.

1.03 Submittals

- A. Shop Drawings: Include plan views indicating locations of system components and proposed size, type, and routing of conduits and/or cables. Include elevations and details of proposed equipment arrangements. Include system interconnection schematic diagrams. Include requirements for interface with other systems.
- B. Product Data: Provide manufacturer's standard catalog pages and data sheets for each system component. Include ratings, configurations, standard wiring diagrams, dimensions, finishes, service condition requirements, and installed features.

- C. Design Data:
 - 1. Standby battery/UPS calculations.
 - 2. Video storage capacity calculations.
 - D. Evidence of qualifications for installer.
 - E. Manufacturer's Installation Instructions: Indicate application conditions and limitations of use stipulated by product testing agency. Include instructions for storage, handling, protection, examination, preparation, installation, and operation of product.
 - F. Manufacturer's detailed field-testing procedures.
 - G. Field quality control test reports.
 - H. Project Record Documents: Record actual locations of system components and installed wiring arrangements and routing.
 - I. Operation and Maintenance Data: Include detailed information on system operation, equipment programming and setup, replacement parts, and recommended maintenance procedures and intervals.
 - J. Warranty: Submit sample of manufacturer's warranty and documentation of final executed warranty completed in Owner's name and registered with manufacturer.
 - K. Software: One copy of software not resident in read-only memory.
- 1.04 Quality Assurance
- A. Comply with the following:
 - 1. NFPA 70.
 - 2. Applicable TIA/EIA standards.
 - B. Manufacturer Qualifications: Company specializing in manufacturing the products specified in this section shall have a minimum three years documented experience.
 - C. Installer Qualifications: Company specializing in performing the work of this section shall have a minimum three years documented experience with video surveillance systems of similar size, type, and complexity and providing contract maintenance service as a regular part of their business; authorized manufacturer's representative.
 - D. Product Listing Organization Qualifications: An organization recognized by OSHA as a Nationally Recognized Testing Laboratory (NRTL) and acceptable to authorities having jurisdiction.
- 1.05 Delivery, Storage, And Handling
- A. Receive, inspect, handle, and store products in accordance with manufacturer's instructions and NECA 303.
 - B. Store products in manufacturer's unopened packaging, keep dry and protect from damage until ready for installation.

1.06 Field Conditions

- A. Maintain field conditions within manufacturer's required service conditions during and after installation.

1.07 Warranty

- A. Provide minimum one year manufacturer warranty covering repair or replacement due to defective materials or workmanship.

Part 2 Products

2.01 Manufacturers

- A. Video Recording and Viewing Equipment:
 - 1. Bosch Security Systems: www.boschsecurity.us/
 - 2. Honeywell International, Inc: www.honeywellvideo.com/
 - 3. Pelco, a brand of Schneider Electric: www.pelco.com/
 - 4. VIVOTEK: www.vivotek.com/
 - 5. Vicon: vicon-security.com
 - 6. Approved equal.

- B. Cameras:
 - 1. Axis Communications: www.axis.com/
 - 2. Bosch Security Systems: www.boschsecurity.us/
 - 3. Honeywell International, Inc: www.honeywellvideo.com/
 - 4. Pelco, a brand of Schneider Electric: www.pelco.com/
 - 5. VIVOTEK: www.vivotek.com/
 - 6. Vicon: vicon-security.com
 - 7. Approved equal.

2.02 Video Surveillance System

- A. Provide new video surveillance system consisting of all required equipment, conduit, boxes, wiring, connectors, hardware, supports, accessories, software, system programming, etc. as necessary for a complete operating system that provides the functional intent indicated.

- B. Licenses for cameras are the responsibility of the Owner.

- C. System Description: IP system with connection to network (IP) cameras.
 - 1. Video Storage Capacity: Suitable for storing video from all cameras for 30 days.
 - 2. System Battery Backup: Provide batteries/UPS as required for 30 minutes full operation.
 - 3. Surge Protection:
 - a. Provide surge protection for exterior cameras.

- D. Provide products listed, classified, and labeled as suitable for the purpose intended.

- E. Electromagnetic Interference/Radio Frequency Interference (EMI/RFI) Limits: Comply with FCC requirements of 47 CFR 15, for class B, consumer application.

2.03 Video Recording and Viewing Equipment

- A. Provide video recording and viewing equipment compatible with cameras to be connected.

B. Network Video Recorders (NVRs):

1. Supports connection of network (IP) cameras.
2. Supports continuous and event-based recording.
3. Size to retain 30 days of video based on these criteria:
 - a. Record on motion
 - b. Assume 50% activity
 - c. Retain full resolution
 - d. No data aging permitted

C. Computers:

1. Workstation Computers: Unless otherwise indicated, workstation computer hardware not furnished by video surveillance system manufacturer is to be provided by the Contractor as part of work of this section and shall meet video surveillance system equipment manufacturer's minimum requirements.
2. Servers: Unless otherwise indicated, server hardware not furnished by video surveillance system manufacturer is to be provided by the Contractor as part of the work of this section and shall meet video surveillance system equipment manufacturer's minimum requirements.

D. Software:

1. Unless otherwise indicated, provide all software and licenses required for fully operational system.
2. Video Management System: As required by the recording system provider.

E. Monitors:

1. Unless otherwise indicated, monitors are to be provided by Contractor as part of the work of this section.
2. Monitor: 32 inch TFT active-matrix LCD.
 - a. Resolution: Up to 1280 x 1024 (SXGA).
 - b. Manufacturers: Samsung, LG or an approved equal

2.04 Cameras

A. Provide cameras and associated accessories suitable for operation under the service conditions at the installed location. Provide additional components (e.g., enclosures, heaters, blowers, etc.) as required.

B. Where not factory-installed, provide additional components (e.g., lenses, mounting accessories, etc.) as necessary for complete installation.

C. Network (IP) Cameras:

1. Signal-to-Noise Ratio: Not less than 50 dB.
2. Provide the following standard features:
 - a. Automatic electronic shutter.
 - b. Automatic gain control.
 - c. Automatic white balance.
 - d. Web-based interface for remote viewing and setup.
 - e. Password protected security access.
3. Network (IP) Fixed Box Camera - Basis of Design: Axis Communications P13 Series; Model P1375-E (Outdoor); www.axis.com/#sle.

- a. Maximum Video Resolution: 1920 x 1080.
- b. Maximum Frame Rate: 50/60 fps at 50/60 Hz.
- c. Image Sensor Size: 1/2.8 inch.
- d. Minimum Illumination/Light Sensitivity: 0.05 lux (color).
- e. Lens: 2.8-8 mm, F1.2; horizontal field of view of 107-42 degrees; varifocal, P-Iris.
- f. Features: Zipstream, audio support (two-way), forensic capture wide dynamic range, Lightfinder, local storage, 12-28 VDC and power over Ethernet (PoE), day and night functionality, image rotation (0, 90, 180, or 270 degrees), IP66/IP67/NEMA 4X/IK10 casing.

2.05 Accessories

- A. Camera Enclosures: Where not factory-installed, provide camera enclosures suitable for operation under service conditions at installed location.
- B. Camera Mounting Supports: Where not factory installed, provide mounting supports necessary for installation.
- C. Provide components as indicated or as required for connection of video surveillance system to devices and other systems indicated.
- D. Provide components as indicated or as required for system power and network connections.
- E. Provide cables as indicated or as required for connections between system components.
 1. Data Cables for IP Network Connections: Unshielded twisted pair (UTP), CAT 6, complying with Section 27 10 00 typical requirements..
- F. Provide accessory racks/cabinets as indicated or as required for equipment mounting.

PART 3 Execution

3.01 Examination

- A. Verify that field measurements are as indicated.
- B. Verify that ratings and configurations of system components are consistent with the indicated requirements.
- C. Verify that mounting surfaces are ready to receive system components.
- D. Verify that branch circuit wiring installation is completed, tested, and ready for connection to system where applicable.
- E. Verify that conditions are satisfactory for installation prior to starting work.

3.02 Installation

- A. Install video surveillance system in accordance with NECA 1 (general workmanship) and NECA 303.
- B. Install products in accordance with manufacturer's instructions.
- C. Provide required support and attachment in accordance with Section 26 05 29.
- D. Wiring Method: Unless otherwise indicated, use wiring in existing conduit.
 1. Use suitable listed cables in wet locations, including underground raceways.
 2. Use suitable listed cables for vertical riser applications.
 3. Install wiring in conduit for the following:
 - a. Where required for rough-in.
 - b. Where required by authorities having jurisdiction.
 - c. Where exposed to damage.

- d. Where installed outside the building.
 - e. For exposed connections from outlet boxes to cameras.
 - 4. Conduit: Comply with requirements outlined in other areas of the project drawings and specifications.
 - 5. Conceal all cables unless specifically indicated to be exposed.
- E. Pole-Mounted Cameras:
- 1. Maintain the following minimum clearances:
 - a. Comply with IEEE C2.
 - b. Comply with utility company requirements.
- F. Provide grounding and bonding in accordance with NEC.
- G. Install firestopping to preserve fire resistance rating of partitions and other elements, using generally accepted materials and methods.
- H. Identify system wiring and components in accordance with manufacturer's installation requirements.
- 3.03 Field Quality Control
- A. See project drawings and other application areas of project specifications for additional requirements.
 - B. Provide services of a manufacturer's authorized representative to observe installation and assist in inspection and testing. Include manufacturer's detailed testing procedures and field reports with submittals.
 - C. Prepare and start system in accordance with manufacturer's instructions.
 - D. Adjust cameras to provide desired field of view and produce suitable images under all service lighting conditions.
 - E. Program system parameters according to requirements of Owner.
 - F. Test for proper interface with other systems.
 - G. Correct defective work, adjust for proper operation, and retest until entire system complies with contract documents.
 - H. Submit detailed reports indicating inspection and testing results and corrective actions taken.
- 3.04 Cleaning
- A. Clean exposed surfaces to remove dirt, paint, or other foreign material and restore to match original factory finish.
- 3.05 Closeout Activities
- A. Demonstration: Demonstrate proper operation of system to Owner and correct deficiencies or make adjustments as directed.

- B. Training: Train the Owner's personnel on operation, adjustment, and maintenance of system.
 - 1. Use operation and maintenance manual as training reference, supplemented with additional training materials as required.

3.06 Protection

- A. Protect installed system components from subsequent construction operations.

Basis of Payment. This work will be paid for at the contract unit price per EACH for VIDEO SURVEILLANCE SYSTEM COMPLETE.

REMOVE EXISTING SURVEILLANCE CAMERA EQUIPMENT

Description. This work includes removing CCTV camera, media converter, and enclosure as shown on the plans and described in this special provision. Work includes the removal of three video surveillance cameras from site locations shown, including two from existing 12 ft. to 15 ft. lighting/utility poles and one from the existing utility pump house building; removal, including mounting hardware, cabling, and system head-end components in pump house; securely packing cameras and associated system components; and safely delivering all items to the District 8 headquarters or electrical maintenance contractor as directed by the Engineer.

Refer to the Video Surveillance System Complete special provision for more information related to the camera system:

General. The removal of the existing cameras and associated camera system equipment shall be as shown on the plans. Contractor shall use caution when removing cameras and associated cabling to not damaged adjacent equipment that is to remain in operation. Damaged equipment will be repaired at the Contractor's expense. Conduit from pump house to cameras is to remain for use in new system installation.

Method of Measurement. This work will be measured for payment as each system removed.

Basis of Payment. This work will be paid for at the contract unit price per EACH for REMOVE EXISTING SURVEILLANCE CAMERA EQUIPMENT

FIRE PROTECTION SYSTEM

Description. The work to be performed shall consist of furnishing, installing, and testing of all material as specified below.

Part 1 General

- 1.01 Section Includes
 - A. Above ground piping.
 - B. Pipe hangers and supports.

1.02 Reference Standards

- A. ASME B16.5 - Pipe Flanges and Flanged Fittings: NPS 1/2 through NPS 24 Metric/Inch Standard; 2020.
- B. ASME B16.9 - Factory-Made Wrought Buttwelding Fittings; 2018.
- C. ASME B16.25 - Buttwelding Ends; 2022.
- D. ASME B36.10M - Welded and Seamless Wrought Steel Pipe; 2022.
- E. ASTM A53/A53M - Standard Specification for Pipe, Steel, Black and Hot-Dipped, Zinc-Coated, Welded and Seamless; 2022.
- F. ASTM A135/A135M - Standard Specification for Electric-Resistance-Welded Steel Pipe; 2021.
- G. ASTM A234/A234M - Standard Specification for Piping Fittings of Wrought Carbon Steel and Alloy Steel for Moderate and High Temperature Service; 2023a.
- H. ASTM A795/A795M - Standard Specification for Black and Hot-Dipped Zinc-Coated (Galvanized) Welded and Seamless Steel Pipe for Fire Protection Use; 2021.
- I. NFPA 13 - Standard for the Installation of Sprinkler Systems; most recent edition adopted by authority having jurisdiction, including all applicable amendments and supplements.
- J. UL (DIR) - Online Certifications Directory; Current Edition.

1.03 Submittals

- A. Product Data: Provide manufacturer's catalog information. Indicate valve data and ratings.
- B. Shop Drawings: Indicate pipe materials used, jointing methods, supports, and floor and wall penetration seals. Indicate installation, layout, weights, mounting and support details, and piping connections.
- C. Project Record Documents: Record actual locations of components and tag numbering.
- D. Operation and Maintenance Data: Include installation instructions and spare parts lists.

1.04 Quality Assurance

- A. Manufacturer Qualifications: Company specializing in manufacturing the products specified shall have a minimum five years documented experience.
- B. Installer Qualifications: Company specializing in performing work of the type specified shall have:
 - 1. Minimum five years experience.
 - 2. Approved by manufacturer.
- C. Products Requiring Electrical Connection: Listed and classified as suitable for the purpose specified and indicated.
- D. Clean equipment, pipes, valves, and fittings of grease, metal cuttings, and sludge that may have accumulated from the installation and testing of the system.

1.05 Delivery, Storage, And Handling

- A. Deliver and store valves in shipping containers with labeling in place.
- B. Provide temporary protective coating on cast iron and steel valves.
- C. Provide temporary end caps and closures on piping and fittings. Maintain in place until installation.

Part 2 Products

2.01 General Requirements

- A. Sprinkler-based System: Comply with NFPA 13.
- B. Welding Materials and Procedures: Comply with ASME BPVC-IX.
- C. Provide system pipes, fittings, sleeves, escutcheons, seals, and other related accessories.

2.02 Above Ground Piping

- A. Steel Pipe: ASME B36.10M Schedule 5, ASTM A53 Schedule 40, ASTM A135/A135M Schedule 10, or ASTM A795 Schedule 40, black.
 - 1. Steel Fittings: ASME B16.9 wrought steel, buttwelded, ASME B16.25 buttweld ends, ASTM A234/A234M wrought carbon steel or alloy steel, or ASME B16.5 steel flanges and fittings.

2.03 Pipe Hangers And Supports

- A. Hangers for Pipe Sizes 1/2 to 1-1/2 inch: Carbon steel, adjustable swivel, split ring.
- B. Hangers for Pipe Sizes 2 inches and Over: Carbon steel, adjustable, clevis.
- C. Vertical Support: Steel riser clamp.

Part 3 Execution

3.01 Preparation

- A. Ream pipe and tube ends. Remove burrs. Bevel plain end ferrous pipe.
- B. Remove scale and foreign material, from inside and outside, before assembly.
- C. Prepare piping connections to equipment with flanges or unions.

3.02 Installation

- A. Install sprinkler system and service main piping, hangers, and supports in accordance with NFPA 13.
- B. Route piping in orderly manner, plumb, and parallel to building structure. Maintain gradient.
- C. Install piping to conserve building space and to not interfere with use of space and other work.
- D. Group piping whenever practical at common elevations.
- E. Install piping to allow for expansion and contraction without stressing pipe, joints, or connected equipment.
- F. Pipe Hangers and Supports:
 - 1. Install hangers to provide minimum 1/2 inch space between finished covering and adjacent work.
 - 2. Place hangers within 12 inches of each horizontal elbow.
 - 3. Use hangers with 1 1/2 inch minimum vertical adjustment. Design hangers for pipe movement without disengagement of supported pipe.
 - 4. Support vertical piping at every other floor. Support riser piping independently of connected horizontal piping.
 - 5. Where several pipes can be installed in parallel and at same elevation, provide multiple or trapeze hangers.

- G. Slope piping and arrange systems to drain at low points. Use eccentric reducers to maintain top of pipe level.
 - H. Prepare pipe, fittings, supports, and accessories for finish painting. Where pipe support members are welded to structural building framing, scrape, brush clean, and apply one coat of zinc-rich primer to welding.
 - I. Paint piping with primer and two finish coats. Paint color to be as selected by architect.
 - J. When installing more than one piping system material, ensure system components are compatible and joined to ensure the integrity of the system. Provide necessary joining fittings. Ensure flanges, unions, and couplings for servicing are consistently provided.
- 3.03 Cleaning
- A. Upon completion of work, clean all parts of the installation.
 - B. Clean equipment, pipes, valves, and fittings of grease, metal cuttings, and sludge that may have accumulated from the installation and testing of the system.

Fire-Suppression Sprinkler Systems

Part 1 General

- 1.01 Section Includes
- A. Wet-pipe sprinkler system.
 - B. System design, installation, and certification.
- 1.02 Reference Standards
- A. ITS (DIR) - Directory of Listed Products; Current Edition.
 - B. UL (DIR) - Online Certifications Directory; Current Edition.
- 1.03 Administrative Requirements
- A. Preinstallation Meeting: Convene two weeks before starting work of this section.
- 1.04 Submittals
- A. Product Data: Provide data on sprinklers, valves, and specialties, including manufacturers catalog information. Submit performance ratings, rough-in details, weights, support requirements, and piping connections.
 - B. Shop Drawings:
 - 1. Submit preliminary layout of areas indicating only sprinkler locations coordinated with structural system.
 - 2. Indicate hydraulic calculations, detailed pipe layout, hangers and supports, sprinklers, components, and accessories. Indicate system controls.
 - 3. Submit shop drawings, product data, and hydraulic calculations to authorities having jurisdiction for approval. Submit proof of approval to architect.
 - C. Operation and Maintenance Data: Include components of system, servicing requirements, record drawings, inspection data, replacement part numbers and availability, and location and numbers of service depot.

- D. Maintenance Materials: Furnish the following for Owner's use in maintenance of project.
 - 1. Extra Sprinklers: Type and size matching those installed in quantity required by referenced NFPA design and installation standard.
 - 2. Sprinkler Wrenches: Provide suitable wrenches for each sprinkler type.
 - E. Project Record Documents: Record actual locations of sprinklers and deviations of piping from drawings. Indicate drain and test locations.
 - 1. Sprinklers shall be referred to on drawings, submittals, and other documentation by the sprinkler identification or model number as specifically published in the appropriate agency listing or approval. Trade names or other abbreviated designations shall not be allowed.
- 1.05 Quality Assurance
- A. Maintain two copies of referenced design and installation standard on site.
 - B. Comply with NFPA 13 requirements.
 - C. Designer Qualifications: Design system under direct supervision of a Professional Engineer experienced in design of this type of work and licensed in the state in which the project is located.
 - D. Manufacturer Qualifications: Company specializing in manufacturing the products specified shall have a minimum five years experience.
 - E. Installer Qualifications: Company specializing in performing the work shall have a minimum five years experience.
 - F. Equipment and Components: Provide products that bear UL (DIR) label or marking.
 - G. All grooved couplings, fittings, valves, and specialties shall be the products of a single manufacturer. Grooving tools shall be of the same manufacturer as the grooved components.
 - 1. All castings used for couplings' housings, fittings, or valve and specialty bodies shall be date stamped for quality assurance and traceability.
- 1.06 DELIVERY, STORAGE, AND HANDLING
- A. Store products in shipping containers and maintain in place until installation. Provide temporary inlet and outlet caps. Maintain caps in place until installation.

Part 2 Products

2.01 Manufacturers

- A. Sprinklers, Valves, and Equipment:
 - 1. Victaulic Company.
 - 2. Tyco Fire Protection Products.
 - 3. Reliable Automatic Sprinkler Company.
 - 4. Viking Corporation.
 - 5. Approved equal

2.02 Sprinkler System

- A. Sprinkler System: Provide coverage for covered bridge at roof level.

- B. Water Supply: Determine volume and pressure from water flow test data.
 - 1. Revise design when test data available prior to submittals.

- C. Interface system with building fire and smoke alarm system.

2.03 Sprinklers

- A. Storage Sprinklers: Pendant type.
 - 1. Response Type: Standard.
 - 2. Coverage Type: Standard.
 - 3. Finish: Enamel, color as selected.
 - 4. Fusible Link: Fusible solder link type temperature rated for specific area hazard.
- B. Guards shall be listed, supplied, and approved for use with the sprinkler by the sprinkler manufacturer.
- C. Wrenches shall be provided by the sprinkler manufacturer that directly engage the wrench boss cast in the sprinkler body.

Part 3 Execution

3.01 Installation

- A. Install in accordance with referenced NFPA design and installation standard.
- B. Install equipment in accordance with manufacturer's instructions.
- C. Place pipe runs to minimize obstruction to other work.
- D. Apply masking tape or paper cover to ensure concealed sprinklers, cover plates, and sprinkler escutcheons do not receive field paint finish. Remove after painting. Replace painted sprinklers.
- E. Flush entire piping system of foreign matter.
- F. Hydrostatically test entire system.
- G. Require test be witnessed by authority having jurisdiction.

Basis of Payment. This work will be paid for at the contract unit price per LUMP SUM for FIRE PROTECTION SYSTEM.

REMOVE EXISTING CABLE

Description: This work shall consist of removing existing electric and heat detection system cables from conduit at the locations shown on the plans and disposing of them. All electric cables shall be disconnected. from the nearest junction box location, inside the bridge and where conduit transitions from underground to above grade.

Construction Requirements: For any electrical power cable, the Contractor shall be responsible for verifying the upstream source of power, and downstream electrical equipment connected prior to disconnecting. For heat detection system cabling, verify splice/junction box location for connection of replacement cable (under separate item) prior to disconnection and removal.

If cables cannot be removed from the conduit, or cable can only be removed back to the source (pump house electrical panel or fire alarm control unit) the Contractor shall inform the engineer.

Work to be performed under this pay item is indicated in contract plan drawings and shall be in conformance with NEC, IDOT and local ordinances.

Measurement and Payment. This item will be measured for payment for per lineal foot of conduit that cables are removed from (not by the number or total length of cables removed).

This work will be paid for at the contract unit price per FOOT for REMOVE EXISTING CABLE.

ADDRESSABLE FIRE ALARM SYSTEM

Description: This work shall consist of replacing heat detection cabling, conduit, junction boxes, wiring test/zone boxes (removed under separate items), and restoring the heat/fire detection and alarm system to functional use. The furnishing of all material and the installation and testing of the fire alarm system for the covered bridge, as required for replacement of damaged or removed items, shall be included with no additional compensation.

The system shall be complete with a fixed temperature type linear heat detecting cable, controls, and accessories as specified herein. All equipment or components shall be listed by UL and/or by factory mutual for the intended use.

The fire alarm control unit is existing. The work under this contract shall involve, but not necessarily be limited to, the following:

1. Verifying interior connections to panel board in accordance with local utility company and state requirements.
2. Automatic fire detection system is to provide detection of overheat within the bridge supporting structure including under bridge bottom chords and roof area.
3. Operation of existing audible/visual alarm for personnel notification of alarm at utility building.

4. Alarm and trouble codes to be initiated;
 - (a) Open water valves upon heat detection.
 - (b) Dial emergency number upon heat detection.
 - (c) Initiate alarm to audible/visual devices.
 - (d) Dial trouble number on loss of electricity.
 - (e) Dial trouble number on loss of zone.
5. Verifying existing digital dialer type transmitter for annunciation of the alarm and trouble signals to the appropriate mutual aid systems. The Contractor is to arrange for any re-programming as required. IDOT is to confirm arrangement of all back charges from telephone company and to monitoring services for this system operation. No extra charges will be allowed.
6. The Contractor is to hire and pay for the services of the system manufacturer's technicians to re-test, calibrate, inspect, and place into service the system following replacement cabling system and related components installed by the Contractor. No extra charges will be allowed.

Bridge Protection: The fire detection and alarm system will provide an automatic alarm when the presence of an overheat signal is detected within the supporting structure of the bridge, exterior, roof areas, or under bridge structure. The system shall be designed and installed to reduce the potential of a fire becoming a catastrophe, to minimize the impact on the environment, and to reduce the potential for loss of the historical covered bridge. When an overheat is detected the alarm shall be activated, the phone dialer shall be activated, and the water valves shall be activated.

System Physical Description: The fire detection system consists of the following major features:

1. Existing fire alarm panel with audible alarm which receives line type heat detector input, system actuation, and digital dialer type transmitter for remote annunciation.
2. The heat detection cable to be furnished and installed by the Contractor is a two conductor, 190 °F fixed temperature linear heat detection cable, type EPR. Linear detection cable shall be suitable for outdoor use under severe ambient temperatures and seasonal variations.
3. Input junction box and zone termination shall be secured in NEMA-4X fiberglass enclosures for optimum weather protection. Contractor shall provide replacement boxes and zone termination per the drawings and details.
4. Audible and visual alarm indicators are existing and shall be inspected and operational with the complete system.
5. Electrical interface for the fire alarm control panel is existing and is 120 VAC, 60 Hz.

General. This work shall apply to all addressable fire alarm system components as indicated on the drawings.

The following is a list of documents which are referenced in the body of this provision:

1. NFPA-70 NEC;

2. NFPA-72 National Fire Alarm Code;
3. UL 521 Automatic Heat Detectors; and
4. UL 6 Rigid Metal Conduit.
5. NECA – Standard of Installation.
6. ANSI C80.1 – Rigid Steel Conduit, Zinc Coated.
7. NEMA FB 1 – Fittings and Supports for Conduit and Cable Assemblies.
8. NEMA OS 1 – Sheet-steel Outlet Boxes, Device Boxes and Box Supports.
9. NEMA OS 2 – Nonmetallic Outlet Boxes, Device Boxes and Box Supports.

All equipment shall also conform to other published standards and codes which are generally recognized to be applicable to the work specified herein, including UL Standard Number 521. Nothing in this provision, including invocation of certain specific standards, codes, or legislation, shall relieve the Contractor of their responsibility for compliance with the standards, codes, or legislation which are generally recognized to be applicable to the work specified herein.

Any conflict between the above standards and codes in this provision shall be brought to the attention of the Engineer for written resolution prior to delivery of any components. Approval must be obtained in writing from the Engineer to substitute other standards and codes.

Submittal Data: The Contractor shall have the required submittal data package complete and transmitted to the Engineer for approval. A partial submittal package will not be acceptable.

The complete submittal data package shall consist of the drawings, cuts, and any other information in such detail as necessary for the installation, operation, and maintenance of the equipment, including cabling and documentation verifying UL and FM approvals, bill of materials, and spare parts lists. Also included is a one-year warranty statement for approval for installed product and work. Approval by the Engineer shall not relieve the Contractor of the responsibility for correctness of drawings furnished by the Contractor nor their compliances with the provisions unless so stated at the time of approval.

Delivery And Storage: The Contractor shall be responsible for the care of all equipment and the facility until final acceptance by the Engineer. Storage of materials offsite during installation period shall be established by the Contractor.

General Requirements: The existing fire detection and control system includes, but is not limited to, the following existing components: one local FACP (Fire Alarm Control Panel), output circuits, alarm indicating circuits, linear detection zone circuits, and all accessories required. Upon completion of the replacement heat detection cabling system, Contractor shall provide a complete operating system meeting the requirements of this provision. The fire detection system shall interface with the respective mutual aid system via digital dialer type enclosed within the fire alarm control panel.

The Contractor shall also inspect, calibrate, test, and place into service the fire detection and control system upon completing the installation of the replacement heat detection cabling. The Contractor is to hire and pay for the services of system manufacturer's technicians to perform this inspection, calibration, testing, etc., with no additional compensation allowed.

All equipment furnished and installed shall be new and shall be of industrial first grade quality as to material and workmanship in accordance with best engineering practice. All equipment shall be UL and/or factory mutual approved.

System Requirements: Provide all equipment, materials, labor, etc., required for a complete functional integrated system as specified herein and in conjunction with the existing system components to remain.

Existing fire detection and control system unit includes electrically supervised, class B, non-coded circuitry. This system includes local alarm fire control panel, 120 VAC power supply, 24 VDC battery backup for 24 hours, audible/visual output circuits, and all necessary components required to provide a complete operating system meeting the requirements of this provision.

Contractor shall furnish and install a 2-wire, digital type, linear heat detection cable suitable for severe weather variations. Additionally, furnish and install replacement batteries for backup power compatible with the existing fire alarm control unit and existing batteries. Existing batteries are three VLRA sealed lead-acid, maintenance free, 12V, 7.0Ah (field verify existing conditions).

Existing fire alarm control unit is Protectowire Fire System 2000LTi, Model FS2004-120-GC-00-A2GL4S (to be field verified by Contractor). Verify compatibility with the unit, for any equipment, components, cabling, or other accessories to be furnished and installed.

Existing audible devices shall sound within the control panel for alarm or trouble. The control unit shall report a device or compartment failure, such as an open or short circuit, by both audible and visual trouble signals. The unit shall report any device immediately when it is removed from an initiating or output circuit by both audible and visual trouble signals. Battery supply shall incorporate a supervised battery monitor circuit to alarm if batteries are removed. Any quantity of detection devices and zones can be in alarm at any time, up to the total number connected to the system.

During startup following replacement of the heat detection cabling and batteries, verify operation of the fire alarm control panel ground fault circuit detection and operation of the battery electric heater and thermostat (existing, 120 VAC, 200 watts). Thermostat shall open at 50 °F. and close at 30 °F.

Heat Detection System Replacement Cable and Components:

DIGITAL METER / POINT LOCATOR (Existing): A digital meter is mounted in the control panel to locate the heat actuated point on the line heat detector. This meter shall be re-calibrated directly in feet of line heat detector so that an operator may be able to determine the linear distance of detector from the beginning of the line heat detector, in the detection circuit, to the actuated point.

Line heat detector shall be approved field spliceable fixed-temperature sensing elements comprised of two current carrying wires held separated by heat sensitive insulation for detection.

Line heat detection circuit shall terminate in a NEMA-4X fiberglass zone box. Zone box shall have engraved label, black letters in white background to indicate zone and panel number. End-of-line portion of zone box shall have supervisory device and a test button inside in addition to required terminal strip. Tamperproof screws/bolts shall be used to hold covers on E.O.L. devices.

The Contractor shall verify that the lengths of linear heat detector circuits do not exceed the limits prescribed by the manufacturer of the control panel. The linear heat detector alarm temperature rating shall be 190 °F. The line heat detector circuits with the above temperature rating shall be run throughout the protected areas of the bridge supporting structures, underneath decking, and bolster plate timbers.

Line heat detector shall be fastened as required to maintain tautness by mounting hardware recommended by the line heat detector manufacturer using stainless steel mounting clips and staples.

A zone line heat detector shall begin at the zone box and pass through bolster plates, under deck chords, up vertically to the underside of guardrails, along top beam ridges, and lengthwise to each end of the roof area in three serpentine loops. Equal coverage will be provided at each end of the structure. The undercarriage of the bridge shall also be covered by the line heat detector.

Materials.

Wire and Cable: Linear Line Detector – Provide wiring as supplied by the system manufacturer (Protectowire or approved equal).

Conduit: Exposed and Outdoor Locations, Above Grade: Use galvanized rigid steel conduit.

Sweeps and bends: Use galvanized rigid steel fittings up into equipment, at bottom of pole, and for all changes in conduit direction more than 10 degrees.

Rigid Metal Conduit: Manufacturers: A company specializing in manufacturing products specified in this section with a minimum of three years experience.

Rigid Steel Conduit: ANSI C80.1.

Fittings and Conduit Bodies: ANSI/NEMA FB 1; material to match conduit.

Conduit Supports: Conduit clamps, straps, and supports shall be a steel or malleable iron.

Wiring Connectors: Connectors shall be as specified by manufacturer of cable for that use. Install connectors in accordance with the NEC and standard industry practice.

Installation.

Digital Dialer: Verify operation of the digital dialer for alarm/trouble transmission to local mutual aid system via monitoring services via the existing phone service (two lines: one emergency, one trouble). Digital dialer is equipped to accept at least three input alarm contacts: alarm/trouble inputs (heat detection, emergency; water flow, emergency; loss of power; trouble).

Install products in accordance with manufacturer's instructions. Provide junction boxes as called for on the drawings. Junction boxes shall be sized in accordance with the NEC requirements and as recommended by the fire detection system manufacturer. Provide a strip heater in the junction box as recommended by the fire detection system manufacturer.

Following completion of the replacement cabling, components, and accessories, provide system manufacturer's technicians to test, calibrate, inspect, and place system into service. Testing and system operation to be scheduled with the District 8's manager at least two weeks in advance to allow their attendance along with any other invested participants, as they may choose to witness the system re-start.

Method of Measurement.: Addressable fire alarm system will be measured for payment as a lump sum.

Basis of Payment This work will be paid for at the contract unit price per LUMP SUM for ADDRESSABLE FIRE ALARM SYSTEM which shall include hiring system manufacturer's technicians to test, calibrate, inspect, and place system into service and any/all required charges from utility companies, fire department/police department, system manufacturer, telephone company, and monitoring.

LUMINAIRE, LED, SPECIAL

Description. This work shall consist of furnishing and installing a luminaire of the type specified in accordance with the drawings and the fixture schedule included.

Materials. All materials shall be in accordance with the contract plan drawings and the fixture schedule included.

General. The luminaire shall be a KIM #KFL1 8L-20 3K8 MF UNV K DBT (knuckle mount, bronze finish) or an approved equivalent. Contractor is required to submit shop drawings for fixtures prior to purchase. Approved alternates will be considered during shop drawing review.

Installation. Each luminaire shall be installed per the manufacturer's instructions. Luminaires shall be securely attached via the knuckle mounting accessory and aimed as described in the drawing notes, oriented in the direction of the underside of the bridge roof.

Fixtures shall be wired to the lighting branch circuit (via separate items included in the contract documents) and shall be made operational.

Basis of Payment. This work will be paid for at the contract unit price per EACH for LUMINAIRE, LED, SPECIAL.

LUMINAIRE REPLACEMENT SPECIAL

Description. This work shall consist of removing an existing pole/tenon mounted luminaire as well as furnishing and installing a new LED luminaire as shown on the drawings.

Materials. All materials shall be in accordance with the contract plan drawings and the fixture schedule included.

Construction Requirements. The Contractor shall remove the existing tenon mounted light fixtures on the crossbar of the existing light pole. The existing crossbar shall remain in place and be cleaned, dry and free of debris, and prepared for new fixture installation. The Contractor shall install the new fixture onto the existing crossbar and connect to the existing lighting branch circuit wiring and controls and make new fixture operational. Aim in same orientation as the fixture that was removed. The new fixture shall be installed in accordance with the manufacturer's instructions. After new fixture has been installed, the existing fixture shall be disposed of.

All work shall be installed as shown on the contract plan drawings and in accordance with the NEC and local ordinances.

Contractor is required to submit shop drawings for the new fixtures prior to purchase. Approved alternates will be considered during shop drawing review.

Measurement. This work will be measured for each luminaire.

Basis of Payment. The work will be paid for at the contract unit price per EACH for LUMINAIRE REPLACEMENT SPECIAL.

COMBINATION LIGHTING CONTROLLER

Description. This work shall consist of furnishing and installing a time clock for use with the existing lighting controls, of the type specified in accordance with the drawings and the detail included in the drawings.

Materials. Timeclock housing shall be metal, rated for indoor use.

General. Existing photocell, contactor, and hand-off-auto switch are to remain. Furnish and install a new timeclock per the drawings and details. The timeclock shall be Intermatic #ET2825C, or an approved equivalent. Contractor is required to submit shop drawings for fixtures prior to purchase. Approved alternates will be considered during shop drawing review.

The timeclock shall include functions for astronomic 7-day/365 day, 2-circuit electronic control, 120-277 VAC, 2-SPST/DPST; programming for automatic daylight saving time adjustment, and holiday scheduling capability. It shall include backup power to retain program settings for a minimum of ten hours in the event power is interrupted.

Installation. The timeclock shall be installed per the manufacturer's instructions and in the location of the existing timeclock (removed under a separate item). Timeclock shall be securely attached to the wall via mounting hardware and wired to the existing lighting control contactor/system per the detail included in the drawings.

The timeclock shall be programmed to allow the site lighting to turn on at dusk via the existing photocell control and turn off no more than one hour after area closing time as designated by the local authority or by midnight, whichever is earlier, and in accordance with IL IECC 2021 outdoor lighting control requirements.

Basis of Payment. This work will be paid for at the contract unit price per EACH for COMBINATION LIGHTING CONTROLLER.

REMOVE EXISTING CONDUIT ATTACHED TO STRUCTURE

Description. This work shall consist of the disconnection and removal of the existing conduits and cables attached to structure for the heat detection system cabling. No removal work will be permitted without the approval from the Engineer. Coordination shall be conducted for installation of new conduit and cabling under separate items.

Refer to the Fire Alarm System special provision for more information related to the lighting system:

Removal. Existing conduits shall be removed and taken offsite for disposal or re-used with approval from the Engineer.

Method of Measurement. Conduits, attached to structure, indicated for removal and replacement will be measured for payment in feet. All other work, such as removal, replacement, and relocation of cable or unit duct in conduit shall not be measured but shall be considered as included in the conduit removal work.

Basis of Payment. This work will be paid for at the contract unit price per FOOT for REMOVE EXISTING CONDUIT ATTACHED TO STRUCTURE.

REMOVE EXISTING LIGHTING CONTROLLER (TIMECLOCK ONLY)

Description. This work shall consist of removing the existing time clock for use with the lighting controls in accordance with the drawings and the detail included in the drawings.

Only the existing Intermatic time clock is to be removed, and not the existing lighting control contactor/enclosure/on-off-auto control. Time clock is being replaced under a separate item in accordance with IL Energy Code IECC 2021.

General. The timeclock is existing an Intermatic #ET100 series. Disconnect from lighting control system and remove from wall mount. Contractor is to dispose of the timeclock.

Basis of Payment. This work will be paid for at the contract unit price per EACH for REMOVE EXISTING LIGHTING CONTROLLER.

STATUS OF UTILITIES TO BE ADJUSTED

NO UTILITIES TO BE ADJUSTED

The above represents the best information of the Department and is only included for the convenience of the bidder. The applicable provisions of Sections 102 and 103 and Articles 105.07 and 107.20 of the Standard Specifications for Road and Bridge Construction shall apply.

If any utility adjustment or removal has not been completed when required by the Contractor's operation, the Contractor should notify the Engineer in writing. A request for an extension of time will be considered to the extent the Contractor's operations were affected.

CEMENT, TYPE IL (BDE)

Effective: August 1, 2023

Add the following to Article 302.02 of the Standard Specifications:

“(k) Type IL Portland-Limestone Cement1001”

Revise Note 2 of Article 352.02 of the Standard Specifications to read:

“Note 2. Either Type I or Type IA portland cement or Type IL portland-limestone cement shall be used.”

Revise Note 1 of Article 404.02 of the Standard Specifications to read:

“Note 1. The cement shall be Type I portland cement or Type IL portland-limestone cement.”

Revise Article 1019.02(a) of the Standard Specifications to read:

“(a) Cement, Type I or IL1001”

COMPENSABLE DELAY COSTS (BDE)

Effective: June 2, 2017

Revised: April 1, 2019

Revise Article 107.40(b) of the Standard Specifications to read:

“(b) Compensation. Compensation will not be allowed for delays, inconveniences, or damages sustained by the Contractor from conflicts with facilities not meeting the above definition; or if a conflict with a utility in an unanticipated location does not cause a shutdown of the work or a documentable reduction in the rate of progress exceeding the limits set herein. The provisions of Article 104.03 notwithstanding, compensation for delays caused by a utility in an unanticipated location will be paid according to the provisions of this Article governing minor and major delays or reduced rate of production which are defined as follows.

- (1) Minor Delay. A minor delay occurs when the work in conflict with the utility in an unanticipated location is completely stopped for more than two hours, but not to exceed two weeks.
- (2) Major Delay. A major delay occurs when the work in conflict with the utility in an unanticipated location is completely stopped for more than two weeks.
- (3) Reduced Rate of Production Delay. A reduced rate of production delay occurs when the rate of production on the work in conflict with the utility in an unanticipated location decreases by more than 25 percent and lasts longer than seven calendar days.”

Revise Article 107.40(c) of the Standard Specifications to read:

“(c) Payment. Payment for Minor, Major, and Reduced Rate of Production Delays will be made as follows.

- (1) Minor Delay. Labor idled which cannot be used on other work will be paid for according to Article 109.04(b)(1) and (2) for the time between start of the delay and the minimum remaining hours in the work shift required by the prevailing practice in the area.

Equipment idled which cannot be used on other work, and which is authorized to standby on the project site by the Engineer, will be paid for according to Article 109.04(b)(4).

- (2) Major Delay. Labor will be the same as for a minor delay.

Equipment will be the same as for a minor delay, except Contractor-owned equipment will be limited to two weeks plus the cost of move-out to either the Contractor’s yard or another job and the cost to re-mobilize, whichever is less. Rental equipment may be paid for longer than two weeks provided the Contractor presents adequate support to the Department (including lease agreement) to show retaining equipment on the job is the most economical course to follow and in the public interest.

- (3) Reduced Rate of Production Delay. The Contractor will be compensated for the reduced productivity for labor and equipment time in excess of the 25 percent threshold for that portion of the delay in excess of seven calendar days. Determination of compensation will be in accordance with Article 104.02, except labor and material additives will not be permitted.

Payment for escalated material costs, escalated labor costs, extended project overhead, and extended traffic control will be determined according to Article 109.13.”

Revise Article 108.04(b) of the Standard Specifications to read:

“(b) No working day will be charged under the following conditions.

- (1) When adverse weather prevents work on the controlling item.
- (2) When job conditions due to recent weather prevent work on the controlling item.
- (3) When conduct or lack of conduct by the Department or its consultants, representatives, officers, agents, or employees; delay by the Department in making the site available; or delay in furnishing any items required to be furnished to the Contractor by the Department prevents work on the controlling item.
- (4) When delays caused by utility or railroad adjustments prevent work on the controlling item.
- (5) When strikes, lock-outs, extraordinary delays in transportation, or inability to procure critical materials prevent work on the controlling item, as long as these delays are not due to any fault of the Contractor.

(6) When any condition over which the Contractor has no control prevents work on the controlling item.”

Revise Article 109.09(f) of the Standard Specifications to read:

“(f) Basis of Payment. After resolution of a claim in favor of the Contractor, any adjustment in time required for the work will be made according to Section 108. Any adjustment in the costs to be paid will be made for direct labor, direct materials, direct equipment, direct jobsite overhead, direct offsite overhead, and other direct costs allowed by the resolution. Adjustments in costs will not be made for interest charges, loss of anticipated profit, undocumented loss of efficiency, home office overhead and unabsorbed overhead other than as allowed by Article 109.13, lost opportunity, preparation of claim expenses and other consequential indirect costs regardless of method of calculation.

The above Basis of Payment is an essential element of the contract and the claim cost recovery of the Contractor shall be so limited.”

Add the following to Section 109 of the Standard Specifications.

“**109.13 Payment for Contract Delay.** Compensation for escalated material costs, escalated labor costs, extended project overhead, and extended traffic control will be allowed when such costs result from a delay meeting the criteria in the following table.

Contract Type	Cause of Delay	Length of Delay
Working Days	Article 108.04(b)(3) or Article 108.04(b)(4)	No working days have been charged for two consecutive weeks.
Completion Date	Article 108.08(b)(1) or Article 108.08(b)(7)	The Contractor has been granted a minimum two week extension of contract time, according to Article 108.08.

Payment for each of the various costs will be according to the following.

- (a) Escalated Material and/or Labor Costs. When the delay causes work, which would have otherwise been completed, to be done after material and/or labor costs have increased, such increases will be paid. Payment for escalated material costs will be limited to the increased costs substantiated by documentation furnished by the Contractor. Payment for escalated labor costs will be limited to those items in Article 109.04(b)(1) and (2), except the 35 percent and 10 percent additives will not be permitted.
- (b) Extended Project Overhead. For the duration of the delay, payment for extended project overhead will be paid as follows.
 - (1) Direct Jobsite and Offsite Overhead. Payment for documented direct jobsite overhead and documented direct offsite overhead, including onsite supervisory and administrative personnel, will be allowed according to the following table.

Original Contract Amount	Supervisory and Administrative Personnel
Up to \$5,000,000	One Project Superintendent
Over \$ 5,000,000 - up to \$25,000,000	One Project Manager, One Project Superintendent or Engineer, and One Clerk
Over \$25,000,000 - up to \$50,000,000	One Project Manager, One Project Superintendent, One Engineer, and One Clerk
Over \$50,000,000	One Project Manager, Two Project Superintendents, One Engineer, and One Clerk

(2) Home Office and Unabsorbed Overhead. Payment for home office and unabsorbed overhead will be calculated as 8 percent of the total delay cost.

(c) Extended Traffic Control. Traffic control required for an extended period of time due to the delay will be paid for according to Article 109.04.

When an extended traffic control adjustment is paid under this provision, an adjusted unit price as provided for in Article 701.20(a) for increase or decrease in the value of work by more than ten percent will not be paid.

Upon payment for a contract delay under this provision, the Contractor shall assign subrogation rights to the Department for the Department’s efforts of recovery from any other party for monies paid by the Department as a result of any claim under this provision. The Contractor shall fully cooperate with the Department in its efforts to recover from another party any money paid to the Contractor for delay damages under this provision.”

DISADVANTAGED BUSINESS ENTERPRISE PARTICIPATION (BDE)

Effective: September 1, 2000

Revised: March 2, 2019

FEDERAL OBLIGATION. The Department of Transportation, as a recipient of federal financial assistance, is required to take all necessary and reasonable steps to ensure nondiscrimination in the award and administration of contracts. Consequently, the federal regulatory provisions of 49 CFR Part 26 apply to this contract concerning the utilization of disadvantaged business enterprises. For the purposes of this Special Provision, a disadvantaged business enterprise (DBE) means a business certified by the Department in accordance with the requirements of 49 CFR Part 26 and listed in the Illinois Unified Certification Program (IL UCP) DBE Directory.

STATE OBLIGATION. This Special Provision will also be used by the Department to satisfy the requirements of the Business Enterprise for Minorities, Females, and Persons with Disabilities Act, 30 ILCS 575. When this Special Provision is used to satisfy state law requirements on

100 percent state-funded contracts, the federal government has no involvement in such contracts (not a federal-aid contract) and no responsibility to oversee the implementation of this Special Provision by the Department on those contracts. DBE participation on 100 percent state-funded contracts will not be credited toward fulfilling the Department's annual overall DBE goal required by the US Department of Transportation to comply with the federal DBE program requirements.

CONTRACTOR ASSURANCE. The Contractor makes the following assurance and agrees to include the assurance in each subcontract the Contractor signs with a subcontractor.

The Contractor, subrecipient, or subcontractor shall not discriminate on the basis of race, color, national origin, or sex in the performance of this contract. The Contractor shall carry out applicable requirements of 49 CFR Part 26 in the award and administration of contracts funded in whole or in part with federal or state funds. Failure by the Contractor to carry out these requirements is a material breach of this contract, which may result in the termination of this contract or such other remedy as the recipient deems appropriate, which may include, but is not limited to:

- (a) Withholding progress payments;
- (b) Assessing sanctions;
- (c) Liquidated damages; and/or
- (d) Disqualifying the Contractor from future bidding as non-responsible.

OVERALL GOAL SET FOR THE DEPARTMENT. As a requirement of compliance with 49 CFR Part 26, the Department has set an overall goal for DBE participation in its federally assisted contracts. That goal applies to all federal-aid funds the Department will expend in its federally assisted contracts for the subject reporting fiscal year. The Department is required to make a good faith effort to achieve the overall goal. The dollar amount paid to all approved DBE companies performing work called for in this contract is eligible to be credited toward fulfillment of the Department's overall goal.

CONTRACT GOAL TO BE ACHIEVED BY THE CONTRACTOR. This contract includes a specific DBE utilization goal established by the Department. The goal has been included because the Department has determined the work of this contract has subcontracting opportunities that may be suitable for performance by DBE companies. The determination is based on an assessment of the type of work, the location of the work, and the availability of DBE companies to do a part of the work. The assessment indicates, in the absence of unlawful discrimination and in an arena of fair and open competition, DBE companies can be expected to perform **0.00%** of the work. This percentage is set as the DBE participation goal for this contract. Consequently, in addition to the other award criteria established for this contract, the Department will only award this contract to a bidder who makes a good faith effort to meet this goal of DBE participation in the performance of the work. A bidder makes a good faith effort for award consideration if either of the following is done in accordance with the procedures set for in this Special Provision:

- (a) The bidder documents enough DBE participation has been obtained to meet the goal or,
- (b) The bidder documents a good faith effort has been made to meet the goal, even though the effort did not succeed in obtaining enough DBE participation to meet the goal.

DBE LOCATOR REFERENCES. Bidders shall consult the IL UCP DBE Directory as a reference source for DBE-certified companies. In addition, the Department maintains a letting and item specific DBE locator information system whereby DBE companies can register their interest in providing quotes on particular bid items advertised for letting. Information concerning DBE companies willing to quote work for particular contracts may be obtained by contacting the Department's Bureau of Small Business Enterprises at telephone number (217) 785-4611, or by visiting the Department's website at:

<http://www.idot.illinois.gov/doing-business/certifications/disadvantaged-business-enterprise-certification/il-ucp-directory/index>.

BIDDING PROCEDURES. Compliance with this Special Provision is a material bidding requirement and failure of the bidder to comply will render the bid not responsive.

The bidder shall submit a DBE Utilization Plan (form SBE 2026), and a DBE Participation Statement (form SBE 2025) for each DBE company proposed for the performance of work to achieve the contract goal, with the bid. If the Utilization Plan indicates the contract goal will not be met, documentation of good faith efforts shall also be submitted. The documentation of good faith efforts must include copies of each DBE and non-DBE subcontractor quote submitted to the bidder when a non-DBE subcontractor is selected over a DBE for work on the contract. The required forms and documentation must be submitted as a single .pdf file using the "Integrated Contractor Exchange (iCX)" application within the Department's "EBids System".

The Department will not accept a Utilization Plan if it does not meet the bidding procedures set forth herein and the bid will be declared not responsive. In the event the bid is declared not responsive, the Department may elect to cause the forfeiture of the penal sum of the bidder's proposal guaranty and may deny authorization to bid the project if re-advertised for bids.

GOOD FAITH EFFORT PROCEDURES. The contract will not be awarded until the Utilization Plan is approved. All information submitted by the bidder must be complete, accurate and adequately document enough DBE participation has been obtained or document the good faith efforts of the bidder, in the event enough DBE participation has not been obtained, before the Department will commit to the performance of the contract by the bidder. The Utilization Plan will be approved by the Department if the Utilization Plan documents sufficient commercially useful DBE work to meet the contract goal or the bidder submits sufficient documentation of a good faith effort to meet the contract goal pursuant to 49 CFR Part 26, Appendix A. This means the bidder must show that all necessary and reasonable steps were taken to achieve the contract goal. Necessary and reasonable steps are those which, by their scope, intensity and appropriateness to the objective, could reasonably be expected to obtain sufficient DBE participation, even if they were not successful. The Department will consider the quality, quantity, and intensity of the kinds of efforts the bidder has made. Mere *pro forma* efforts, in other words efforts done as a matter of form, are not good faith efforts; rather, the bidder is expected to have taken genuine efforts that would be reasonably expected of a bidder actively and aggressively trying to obtain DBE participation sufficient to meet the contract goal.

- (a) The following is a list of types of action that the Department will consider as part of the evaluation of the bidder's good faith efforts to obtain participation. These listed factors are not intended to be a mandatory checklist and are not intended to be exhaustive. Other factors or efforts brought to the attention of the Department may be relevant in appropriate cases and will be considered by the Department.

- (1) Soliciting through all reasonable and available means (e.g. attendance at pre-bid meetings, advertising and/or written notices) the interest of all certified DBE companies that have the capability to perform the work of the contract. The bidder must solicit this interest within sufficient time to allow the DBE companies to respond to the solicitation. The bidder must determine with certainty if the DBE companies are interested by taking appropriate steps to follow up initial solicitations.
- (2) Selecting portions of the work to be performed by DBE companies in order to increase the likelihood that the DBE goals will be achieved. This includes, where appropriate, breaking out contract work items into economically feasible units to facilitate DBE participation, even when the Contractor might otherwise prefer to perform these work items with its own forces.
- (3) Providing interested DBE companies with adequate information about the plans, specifications, and requirements of the contract in a timely manner to assist them in responding to a solicitation.
- (4) a. Negotiating in good faith with interested DBE companies. It is the bidder's responsibility to make a portion of the work available to DBE subcontractors and suppliers and to select those portions of the work or material needs consistent with the available DBE subcontractors and suppliers, so as to facilitate DBE participation. Evidence of such negotiation includes the names, addresses, and telephone numbers of DBE companies that were considered; a description of the information provided regarding the plans and specifications for the work selected for subcontracting; and evidence as to why additional agreements could not be reached for DBE companies to perform the work.

b. A bidder using good business judgment would consider a number of factors in negotiating with subcontractors, including DBE subcontractors, and would take a firm's price and capabilities as well as contract goals into consideration. However, the fact that there may be some additional costs involved in finding and using DBE companies is not in itself sufficient reason for a bidder's failure to meet the contract DBE goal, as long as such costs are reasonable. Also the ability or desire of a bidder to perform the work of a contract with its own organization does not relieve the bidder of the responsibility to make good faith efforts. Bidders are not, however, required to accept higher quotes from DBE companies if the price difference is excessive or unreasonable. In accordance with the above Bidding Procedures, the documentation of good faith efforts must include copies of each DBE and non-DBE subcontractor quote submitted to the bidder when a non-DBE subcontractor was selected over a DBE for work on the contract.
- (5) Not rejecting DBE companies as being unqualified without sound reasons based on a thorough investigation of their capabilities. The bidder's standing within its industry, membership in specific groups, organizations, or associations and political or social affiliations (for example union vs. non-union employee status) are not legitimate causes for the rejection or non-solicitation of bids in the bidder's efforts to meet the project goal.
- (6) Making efforts to assist interested DBE companies in obtaining bonding, lines of credit, or insurance as required by the recipient or Contractor.

- (7) Making efforts to assist interested DBE companies in obtaining necessary equipment, supplies, materials, or related assistance or services.
- (8) Effectively using the services of available minority/women community organizations; minority/women contractors' groups; local, state, and federal minority/women business assistance offices; and other organizations as allowed on a case-by-case basis to provide assistance in the recruitment and placement of DBE companies.
- (b) If the Department determines the bidder has made a good faith effort to secure the work commitment of DBE companies to meet the contract goal, the Department will award the contract provided it is otherwise eligible for award. If the Department determines the bidder has failed to meet the requirements of this Special Provision or that a good faith effort has not been made, the Department will notify the responsible company official designated in the Utilization Plan that the bid is not responsive. The notification will also include a statement of reasons for the adverse determination. If the Utilization Plan is not approved because it is deficient as a technical matter, unless waived by the Department, the bidder will be notified and will be allowed no more than a five calendar day period to cure the deficiency.
- (c) The bidder may request administrative reconsideration of an adverse determination by emailing the Department at "DOT.DBE.UP@illinois.gov" within the five calendar days after the receipt of the notification of the determination. The determination shall become final if a request is not made on or before the fifth calendar day. A request may provide additional written documentation or argument concerning the issues raised in the determination statement of reasons, provided the documentation and arguments address efforts made prior to submitting the bid. The request will be reviewed by the Department's Reconsideration Officer. The Reconsideration Officer will extend an opportunity to the bidder to meet in person to consider all issues of documentation and whether the bidder made a good faith effort to meet the goal. After the review by the Reconsideration Officer, the bidder will be sent a written decision within ten working days after receipt of the request for reconsideration, explaining the basis for finding that the bidder did or did not meet the goal or make adequate good faith efforts to do so. A final decision by the Reconsideration Officer that a good faith effort was made shall approve the Utilization Plan submitted by the bidder and shall clear the contract for award. A final decision that a good faith effort was not made shall render the bid not responsive.

CALCULATING DBE PARTICIPATION. The Utilization Plan values represent work anticipated to be performed and paid for upon satisfactory completion. The Department is only able to count toward the achievement of the overall goal and the contract goal the value of payments made for the work actually performed by DBE companies. In addition, a DBE must perform a commercially useful function on the contract to be counted. A commercially useful function is generally performed when the DBE is responsible for the work and is carrying out its responsibilities by actually performing, managing, and supervising the work involved. The Department and Contractor are governed by the provisions of 49 CFR Part 26.55(c) on questions of commercially useful functions as it affects the work. Specific counting guidelines are provided in 49 CFR Part 26.55, the provisions of which govern over the summary contained herein.

- (a) DBE as the Contractor: 100 percent goal credit for that portion of the work performed by the DBE's own forces, including the cost of materials and supplies. Work that a DBE subcontracts to a non-DBE does not count toward the DBE goals.

- (b) DBE as a joint venture Contractor: 100 percent goal credit for that portion of the total dollar value of the contract equal to the distinct, clearly defined portion of the work performed by the DBE's own forces.
- (c) DBE as a subcontractor: 100 percent goal credit for the work of the subcontract performed by the DBE's own forces, including the cost of materials and supplies, excluding the purchase of materials and supplies or the lease of equipment by the DBE subcontractor from the Contractor or its affiliates. Work that a DBE subcontractor in turn subcontracts to a non-DBE does not count toward the DBE goal.
- (d) DBE as a trucker: 100 percent goal credit for trucking participation provided the DBE is responsible for the management and supervision of the entire trucking operation for which it is responsible. At least one truck owned, operated, licensed, and insured by the DBE must be used on the contract. Credit will be given for the following:
 - (1) The DBE may lease trucks from another DBE firm, including an owner-operator who is certified as a DBE. The DBE who leases trucks from another DBE receives credit for the total value of the transportation services the lessee DBE provides on the contract.
 - (2) The DBE may also lease trucks from a non-DBE firm, including from an owner-operator. The DBE who leases trucks from a non-DBE is entitled to credit only for the fee or commission is receives as a result of the lease arrangement.
- (e) DBE as a material supplier:
 - (1) 60 percent goal credit for the cost of the materials or supplies purchased from a DBE regular dealer.
 - (2) 100 percent goal credit for the cost of materials of supplies obtained from a DBE manufacturer.
 - (3) 100 percent credit for the value of reasonable fees and commissions for the procurement of materials and supplies if not a DBE regular dealer or DBE manufacturer.

CONTRACT COMPLIANCE. Compliance with this Special Provision is an essential part of the contract. The Department is prohibited by federal regulations from crediting the participation of a DBE included in the Utilization Plan toward either the contract goal or the Department's overall goal until the amount to be applied toward the goals has been paid to the DBE. The following administrative procedures and remedies govern the compliance by the Contractor with the contractual obligations established by the Utilization Plan. After approval of the Utilization Plan and award of the contract, the Utilization Plan and individual DBE Participation Statements become part of the contract. If the Contractor did not succeed in obtaining enough DBE participation to achieve the advertised contract goal, and the Utilization Plan was approved and contract awarded based upon a determination of good faith, the total dollar value of DBE work calculated in the approved Utilization Plan as a percentage of the awarded contract value shall become the amended contract goal. All work indicated for performance by an approved DBE shall be performed, managed, and supervised by the DBE executing the DBE Participation Commitment Statement.

- (a) NO AMENDMENT. No amendment to the Utilization Plan may be made without prior written approval from the Department's Bureau of Small Business Enterprises. All requests for amendment to the Utilization Plan shall be emailed to the Department at DOT.DBE.UP@illinois.gov.
- (b) CHANGES TO WORK. Any deviation from the DBE condition-of-award or contract plans, specifications, or special provisions must be approved, in writing, by the Department as provided elsewhere in the Contract. The Contractor shall notify affected DBEs in writing of any changes in the scope of work which result in a reduction in the dollar amount condition-of-award to the contract. Where the revision includes work committed to a new DBE subcontractor, not previously involved in the project, then a Request for Approval of Subcontractor, Department form BC 260A or AER 260A, must be signed and submitted. If the commitment of work is in the form of additional tasks assigned to an existing subcontract, a new Request for Approval of Subcontractor will not be required. However, the Contractor must document efforts to assure the existing DBE subcontractor is capable of performing the additional work and has agreed in writing to the change.
- (c) SUBCONTRACT. The Contractor must provide copies of DBE subcontracts to the Department upon request. Subcontractors shall ensure that all lower tier subcontracts or agreements with DBEs to supply labor or materials be performed in accordance with this Special Provision.
- (d) ALTERNATIVE WORK METHODS. In addition to the above requirements for reductions in the condition of award, additional requirements apply to the two cases of Contractor-initiated work substitution proposals. Where the contract allows alternate work methods which serve to delete or create underruns in condition of award DBE work, and the Contractor selects that alternate method or, where the Contractor proposes a substitute work method or material that serves to diminish or delete work committed to a DBE and replace it with other work, then the Contractor must demonstrate one of the following:
- (1) The replacement work will be performed by the same DBE (as long as the DBE is certified in the respective item of work) in a modification of the condition of award; or
 - (2) The DBE is aware its work will be deleted or will experience underruns and has agreed in writing to the change. If this occurs, the Contractor shall substitute other work of equivalent value to a certified DBE or provide documentation of good faith efforts to do so; or
 - (3) The DBE is not capable of performing the replacement work or has declined to perform the work at a reasonable competitive price. If this occurs, the Contractor shall substitute other work of equivalent value to a certified DBE or provide documentation of good faith efforts to do so.
- (e) TERMINATION AND REPLACEMENT PROCEDURES. The Contractor shall not terminate or replace a DBE listed on the approved Utilization Plan, or perform with other forces work designated for a listed DBE except as provided in this Special Provision. The Contractor shall utilize the specific DBEs listed to perform the work and supply the materials for which each is listed unless the Contractor obtains the Department's written consent as provided in subsection (a) of this part. Unless Department consent is provided for termination of a DBE subcontractor, the Contractor shall not be entitled to any payment for work or material unless it is performed or supplied by the DBE in the Utilization Plan.

As stated above, the Contractor shall not terminate or replace a DBE subcontractor listed in the approved Utilization Plan without prior written consent. This includes, but is not limited to, instances in which the Contractor seeks to perform work originally designated for a DBE subcontractor with its own forces or those of an affiliate, a non-DBE firm, or with another DBE firm. Written consent will be granted only if the Bureau of Small Business Enterprises agrees, for reasons stated in its concurrence document, that the Contractor has good cause to terminate or replace the DBE firm. Before transmitting to the Bureau of Small Business Enterprises any request to terminate and/or substitute a DBE subcontractor, the Contractor shall give notice in writing to the DBE subcontractor, with a copy to the Bureau, of its intent to request to terminate and/or substitute, and the reason for the request. The Contractor shall give the DBE five days to respond to the Contractor's notice. The DBE so notified shall advise the Bureau and the Contractor of the reasons, if any, why it objects to the proposed termination of its subcontract and why the Bureau should not approve the Contractor's action. If required in a particular case as a matter of public necessity, the Bureau may provide a response period shorter than five days.

For purposes of this paragraph, good cause includes the following circumstances:

- (1) The listed DBE subcontractor fails or refuses to execute a written contract;
- (2) The listed DBE subcontractor fails or refuses to perform the work of its subcontract in a way consistent with normal industry standards. Provided, however, that good cause does not exist if the failure or refusal of the DBE subcontractor to perform its work on the subcontract results from the bad faith or discriminatory action of the Contractor;
- (3) The listed DBE subcontractor fails or refuses to meet the Contractor's reasonable, nondiscriminatory bond requirements;
- (4) The listed DBE subcontractor becomes bankrupt, insolvent, or exhibits credit unworthiness;
- (5) The listed DBE subcontractor is ineligible to work on public works projects because of suspension and debarment proceedings pursuant 2 CFR Parts 180, 215 and 1200 or applicable state law.
- (6) The Contractor has determined the listed DBE subcontractor is not a responsible contractor;
- (7) The listed DBE subcontractor voluntarily withdraws from the projects and provides written notice to the Contractor of its withdrawal;
- (8) The listed DBE is ineligible to receive DBE credit for the type of work required;
- (9) A DBE owner dies or becomes disabled with the result that the listed DBE subcontractor is unable to complete its work on the contract;
- (10) Other documented good cause that compels the termination of the DBE subcontractor. Provided, that good cause does not exist if the Contractor seeks to terminate a DBE it relied upon to obtain the contract so that the Contractor can self-perform the work for

which the DBE contractor was engaged or so that the Contractor can substitute another DBE or non-DBE contractor after contract award.

When a DBE is terminated or fails to complete its work on the Contract for any reason, the Contractor shall make a good faith effort to find another DBE to substitute for the original DBE to perform at least the same amount of work under the contract as the terminated DBE to the extent needed to meet the established Contract goal. The good faith efforts shall be documented by the Contractor. If the Department requests documentation under this provision, the Contractor shall submit the documentation within seven days, which may be extended for an additional seven days if necessary at the request of the Contractor. The Department will provide a written determination to the Contractor stating whether or not good faith efforts have been demonstrated.

- (f) FINAL PAYMENT. After the performance of the final item of work or delivery of material by a DBE and final payment therefore to the DBE by the Contractor, but not later than 30 calendar days after payment has been made by the Department to the Contractor for such work or material, the Contractor shall submit a DBE Payment Agreement on Department form SBE 2115 to the Resident Engineer. If full and final payment has not been made to the DBE, the DBE Payment Agreement shall indicate whether a disagreement as to the payment required exists between the Contractor and the DBE or if the Contractor believes the work has not been satisfactorily completed. If the Contractor does not have the full amount of work indicated in the Utilization Plan performed by the DBE companies indicated in the Utilization Plan and after good faith efforts are reviewed, the Department may deduct from contract payments to the Contractor the amount of the goal not achieved as liquidated and ascertained damages. The Contractor may request an administrative reconsideration of any amount deducted as damages pursuant to subsection (h) of this part.
- (g) ENFORCEMENT. The Department reserves the right to withhold payment to the Contractor to enforce the provisions of this Special Provision. Final payment shall not be made on the contract until such time as the Contractor submits sufficient documentation demonstrating achievement of the goal in accordance with this Special Provision or after liquidated damages have been determined and collected.
- (h) RECONSIDERATION. Notwithstanding any other provision of the contract, including but not limited to Article 109.09 of the Standard Specifications, the Contractor may request administrative reconsideration of a decision to deduct the amount of the goal not achieved as liquidated damages. A request to reconsider shall be delivered to the Contract Compliance Section and shall be handled and considered in the same manner as set forth in paragraph (c) of "Good Faith Effort Procedures" of this Special Provision, except a final decision that a good faith effort was not made during contract performance to achieve the goal agreed to in the Utilization Plan shall be the final administrative decision of the Department. The result of the reconsideration process is not administratively appealable to the U.S. Department of Transportation.

ILLINOIS WORKS APPRENTICESHIP INITIATIVE – STATE FUNDED CONTRACTS (BDE)

Effective: June 2, 2021

Revised: April 2, 2024

Illinois Works Jobs Program Act (30 ILCS 559/20-1 et seq.). For contracts having an awarded contract value of \$500,000 or more, the Contractor shall comply with the Illinois Works Apprenticeship Initiative (30 ILCS 559/20-20 to 20-25) and all applicable administrative rules. The goal of the Illinois Apprenticeship Works Initiative is that apprentices will perform either 10% of the total labor hours actually worked in each prevailing wage classification or 10% of the estimated labor hours in each prevailing wage classification, whichever is less. Of this goal, at least 50% of the labor hours of each prevailing wage classification performed by apprentices shall be performed by graduates of the Illinois Works Pre-Apprenticeship Program, the Illinois Climate Works Pre-Apprenticeship Program, or the Highway Construction Careers Training Program.

The Contractor may seek from the Department of Commerce and Economic Opportunity (DCEO) a waiver or reduction of this goal in certain circumstances pursuant to 30 ILCS 559/20-20(b). The Contractor shall ensure compliance during the term of the contract and will be required to report on and certify its compliance. An apprentice use plan, apprentice hours, and a compliance certification shall be submitted to the Engineer on forms provided by the Department and/or DCEO.

PERFORMANCE GRADED ASPHALT BINDER (BDE)

Effective: January 1, 2023

Revise Article 1032.05 of the Standard Specifications to read:

“1032.05 Performance Graded Asphalt Binder. These materials will be accepted according to the Bureau of Materials Policy Memorandum, “Performance Graded Asphalt Binder Qualification Procedure.” The Department will maintain a qualified producer list. These materials shall be free from water and shall not foam when heated to any temperature below the actual flash point. Air blown asphalt, recycle engine oil bottoms (ReOB), and polyphosphoric acid (PPA) modification shall not be used.

When requested, producers shall provide the Engineer with viscosity/temperature relationships for the performance graded asphalt binders delivered and incorporated in the work.

- (a) Performance Graded (PG) Asphalt Binder. The asphalt binder shall meet the requirements of AASHTO M 320, Table 1 “Standard Specification for Performance Graded Asphalt Binder” for the grade shown on the plans and the following.

Test	Parameter
Small Strain Parameter (AASHTO PP 113) BBR, ΔT_c , 40 hrs PAV (40 hrs continuous or 2 PAV at 20 hrs)	-5 °C min.

- (b) Modified Performance Graded (PG) Asphalt Binder. The asphalt binder shall meet the requirements of AASHTO M 320, Table 1 “Standard Specification for Performance Graded Asphalt Binder” for the grade shown on the plans.

Asphalt binder modification shall be performed at the source, as defined in the Bureau of Materials Policy Memorandum, “Performance Graded Asphalt Binder Qualification Procedure.”

Modified asphalt binder shall be safe to handle at asphalt binder production and storage temperatures or HMA construction temperatures. Safety Data Sheets (SDS) shall be provided for all asphalt modifiers.

- (1) Polymer Modification (SB/SBS or SBR). Elastomers shall be added to the base asphalt binder to achieve the specified performance grade and shall be either a styrene-butadiene diblock, triblock copolymer without oil extension, or a styrene-butadiene rubber. The polymer modified asphalt binder shall be smooth, homogeneous, and be according to the requirements shown in Table 1 or 2 for the grade shown on the plans.

Table 1 - Requirements for Styrene-Butadiene Copolymer (SB/SBS) Modified Asphalt Binders		
Test	Asphalt Grade SB/SBS PG 64-28 SB/SBS PG 70-22	Asphalt Grade SB/SBS PG 64-34 SB/SBS PG 70-28 SB/SBS PG 76-22 SB/SBS PG 76-28
Separation of Polymer ITP, "Separation of Polymer from Asphalt Binder" Difference in °F (°C) of the softening point between top and bottom portions	4 (2) max.	4 (2) max.
TESTS ON RESIDUE FROM ROLLING THIN FILM OVEN TEST (AASHTO T 240)		
Elastic Recovery ASTM D 6084, Procedure A, 77 °F (25 °C), 100 mm elongation, %	60 min.	70 min.

Table 2 - Requirements for Styrene-Butadiene Rubber (SBR) Modified Asphalt Binders		
Test	Asphalt Grade SBR PG 64-28 SBR PG 70-22	Asphalt Grade SB/SBS PG 64-34 SB/SBS PG 70-28 SBR PG 76-22 SBR PG 76-28
Separation of Polymer ITP, "Separation of Polymer from Asphalt Binder" Difference in °F (°C) of the softening point between top and bottom portions	4 (2) max.	4 (2) max.
Toughness ASTM D 5801, 77 °F (25 °C), 20 in./min. (500 mm/min.), in.-lbs (N-m)	110 (12.5) min.	110 (12.5) min.
Tenacity ASTM D 5801, 77 °F (25 °C), 20 in./min. (500 mm/min.), in.-lbs (N-m)	75 (8.5) min.	75 (8.5) min.
TESTS ON RESIDUE FROM ROLLING THIN FILM OVEN TEST (AASHTO T 240)		
Elastic Recovery ASTM D 6084, Procedure A, 77 °F (25 °C), 100 mm elongation, %	40 min.	50 min.

- (2) Ground Tire Rubber (GTR) Modification. GTR modification is the addition of recycled ground tire rubber to liquid asphalt binder to achieve the specified performance grade. GTR shall be produced from processing automobile and/or truck tires by the ambient grinding method or micronizing through a cryogenic process. GTR shall not exceed 1/16 in. (2 mm) in any dimension and shall not contain free metal particles, moisture that would cause foaming of the asphalt, or other foreign materials. A mineral powder (such as talc) meeting the requirements of AASHTO M 17 may be added, up to a maximum of four percent by weight of GTR to reduce sticking and caking of the GTR particles. When tested in accordance with Illinois Modified AASHTO T 27 "Standard Method of Test for Sieve Analysis of Fine and Coarse Aggregates" or AASHTO PP 74 "Standard Practice for Determination of Size and Shape of Glass Beads Used in Traffic Markings by Means of Computerized Optical Method", a 50 g sample of the GTR shall conform to the following gradation requirements.

Sieve Size	Percent Passing
No. 16 (1.18 mm)	100
No. 30 (600 µm)	95 ± 5
No. 50 (300 µm)	> 20

GTR modified asphalt binder shall be tested for rotational viscosity according to AASHTO T 316 using spindle S27. GTR modified asphalt binder shall be tested for original dynamic shear and RTFO dynamic shear according to AASHTO T 315 using a gap of 2 mm.

The GTR modified asphalt binder shall meet the requirements of Table 3.

Table 3 - Requirements for Ground Tire Rubber (GTR) Modified Asphalt Binders		
Test	Asphalt Grade GTR PG 64-28 GTR PG 70-22	Asphalt Grade GTR PG 76-22 GTR PG 76-28 GTR PG 70-28
TESTS ON RESIDUE FROM ROLLING THIN FILM OVEN TEST (AASHTO T 240)		
Elastic Recovery ASTM D 6084, Procedure A, 77 °F (25 °C), 100 mm elongation, %	60 min.	70 min.

- (3) Softener Modification (SM). Softener modification is the addition of organic compounds, such as engineered flux, bio-oil blends, modified vegetable oils, glycol amines, and fatty acid derivatives, to the base asphalt binder to achieve the specified performance grade. Softeners shall be dissolved, dispersed, or reacted in the asphalt binder to enhance its performance and shall remain compatible with the asphalt binder with no separation. Softeners shall not be added to modified PG asphalt binder as defined in Articles 1032.05(b)(1) or 1032.05(b)(2).

An Attenuated Total Reflectance-Fourier Transform Infrared spectrum (ATR-FTIR) shall be collected for both the softening compound as well as the softener modified asphalt binder at the dose intended for qualification. The ATR-FTIR spectra shall be collected on unaged softener modified binder, 20-hour Pressurized Aging Vessel (PAV) aged softener modified binder, and 40-hour PAV aged softener modified binder. The ATR-FTIR shall be collected in accordance with Illinois Test Procedure 601. The electronic files spectral files (in one of the following extensions or equivalent: *.SPA, *.SPG, *.IRD, *.IFG, *.CSV, *.SP, *.IRS, *.GAML, *. [0-9], *.IGM, *.ABS, *.DRT, *.SBM, *.RAS) shall be submitted to the Central Bureau of Materials.

Softener modified asphalt binders shall meet the requirements in Table 4.

Table 4 - Requirements for Softener Modified Asphalt Binders		
Test	Asphalt Grade	
		SM PG 46-28
	SM PG 52-28	SM PG 52-34
	SM PG 58-22	SM PG 58-28
	SM PG 64-22	
Small Strain Parameter (AASHTO PP 113) BBR, ΔT_c , 40 hrs PAV (40 hrs continuous or 2 PAV at 20 hrs)	-5°C min.	
Large Strain Parameter (Illinois Modified AASHTO T 391) DSR/LAS Fatigue Property, $\Delta G^* _{peak}$, 40 hrs PAV (40 hrs continuous or 2 PAV at 20 hrs)	≥ 54 %	

The following grades may be specified as tack coats.

Asphalt Grade	Use
PG 58-22, PG 58-28, PG 64-22	Tack Coat"

Revise Article 1031.06(c)(1) and 1031.06(c)(2) of the Standard Specifications to read:

“(1) RAP/RAS. When RAP is used alone or RAP is used in conjunction with RAS, the percentage of virgin ABR shall not exceed the amounts listed in the following table.

HMA Mixtures - RAP/RAS Maximum ABR % ^{1/ 2/}			
Ndesign	Binder	Surface	Polymer Modified Binder or Surface ^{3/}
30	30	30	10
50	25	15	10
70	15	10	10
90	10	10	10

- 1/ For Low ESAL HMA shoulder and stabilized subbase, the RAP/RAS ABR shall not exceed 50 percent of the mixture.
- 2/ When RAP/RAS ABR exceeds 20 percent, the high and low virgin asphalt binder grades shall each be reduced by one grade (i.e. 25 percent ABR would require a virgin asphalt binder grade of PG 64-22 to be reduced to a PG 58-28).
- 3/ The maximum ABR percentages for ground tire rubber (GTR) modified mixes shall be equivalent to the percentages specified for SBS/SBR polymer modified mixes.

(2) FRAP/RAS. When FRAP is used alone or FRAP is used in conjunction with RAS, the percentage of virgin asphalt binder replacement shall not exceed the amounts listed in the following table.

HMA Mixtures - FRAP/RAS Maximum ABR % ^{1/ 2/}			
Ndesign	Binder	Surface	Polymer Modified Binder or Surface ^{3/}
30	55	45	15
50	45	40	15
70	45	35	15
90	45	35	15
SMA	--	--	25
IL-4.75	--	--	35

- 1/ For Low ESAL HMA shoulder and stabilized subbase, the FRAP/RAS ABR shall not exceed 50 percent of the mixture.
- 2/ When FRAP/RAS ABR exceeds 20 percent for all mixes, the high and low virgin asphalt binder grades shall each be reduced by one grade (i.e. 25 percent ABR would require a virgin asphalt binder grade of PG 64-22 to be reduced to a PG 58-28).

- 3/ The maximum ABR percentages for GTR modified mixes shall be equivalent to the percentages specified for SBS/SBR polymer modified mixes.”

Add the following to the end of Note 2 of Article 1030.03 of the Standard Specifications.

“A dedicated storage tank for the ground tire rubber (GTR) modified asphalt binder shall be provided. This tank shall be capable of providing continuous mechanical mixing throughout and/or recirculation of the asphalt binder to provide a uniform mixture. The tank shall be heated and capable of maintaining the temperature of the asphalt binder at 300 °F to 350 °F (149 °C to 177 °C). The asphalt binder metering systems of dryer drum plants shall be calibrated with the actual GTR modified asphalt binder material with an accuracy of ±0.40 percent.”

REMOVAL AND DISPOSAL OF REGULATED SUBSTANCES (BDE)

Effective: January 1, 2024

Revised: April 1, 2024

Revise the first paragraph of Article 669.04 of the Standard Specifications to read:

“669.04 Regulated Substances Monitoring. Regulated substances monitoring includes environmental observation and field screening during regulated substances management activities. The excavated soil and groundwater within the work areas shall be managed as either uncontaminated soil, hazardous waste, special waste, or non-special waste.

As part of the regulated substances monitoring, the monitoring personnel shall perform and document the applicable duties listed on form BDE 2732 “Regulated Substances Monitoring Daily Record (RSMDR)”.

Revise the first two sentences of the nineteenth paragraph of Article 669.05 of the Standard Specifications to read:

“The Contractor shall coordinate waste disposal approvals with the disposal facility and provide the specific analytical testing requirements of that facility. The Contractor shall make all arrangements for collection, transportation, and analysis of landfill acceptance testing.”

Revise the last paragraph of Article 669.05 of the Standard Specifications to read:

“The Contractor shall select a permitted landfill facility or CCDD/USFO facility meeting the requirements of 35 Ill. Admin. Code Parts 810-814 or Part 1100, respectively. The Department will review and approve or reject the facility proposed by the Contractor based upon information provided in BDE 2730. The Contractor shall verify whether the selected facility is compliant with those applicable standards as mandated by their permit and whether the facility is presently, has previously been, or has never been, on the United States Environmental Protection Agency (U.S. EPA) National Priorities List or the Resource Conservation and Recovery Act (RCRA) List of Violating Facilities. The use of a Contractor selected facility shall in no manner delay the construction schedule or alter the Contractor's responsibilities as set forth.”

Revise the first paragraph of Article 669.07 of the Standard Specifications to read:

“669.07 Temporary Staging. Soil classified according to Articles 669.05(a)(2), (b)(1), or (c) may be temporarily staged at the Contractor’s option. All other soil classified according to Articles 669.05(a)(1), (a)(3), (a)(4), (a)(5), (a)(6), or (b)(2) shall be managed and disposed of without temporary staging to the greatest extent practicable. If circumstances beyond the Contractor’s control require temporary staging of these latter materials, the Contractor shall request approval from the Engineer in writing.

Topsoil for re-use as final cover which has been field screened and found not to exhibit PID readings over daily background readings as documented on the BDE 2732, visual staining or odors, and is classified according to Articles 669.05(a)(2), (a)(3), (a)(4), (b)(1), or (c) may be temporarily staged at the Contractor’s option.”

Add the following paragraph after the sixth paragraph of Article 669.11 of the Standard Specifications.

“The sampling and testing of effluent water derived from dewatering discharges for priority pollutants volatile organic compounds (VOCs), priority pollutants semi-volatile organic compounds (SVOCs), or priority pollutants metals, will be paid for at the contract unit price per each for VOCS GROUNDWATER ANALYSIS using EPA Method 8260B, SVOCs GROUNDWATER ANALYSIS using EPA Method 8270C, or RCRA METALS GROUNDWATER ANALYSIS using EPA Methods 6010B and 7471A. This price shall include transporting the sample from the job site to the laboratory.”

Revise the first sentence of the eight paragraph of Article 669.11 of the Standard Specifications to read:

“Payment for temporary staging of soil classified according to Articles 669.05(a)(1), (a)(3), (a)(4), (a)(5), (a)(6), or (b)(2) to be managed and disposed of, if required and approved by the Engineer, will be paid according to Article 109.04.”

SUBCONTRACTOR AND DBE PAYMENT REPORTING (BDE)

Effective: April 2, 2018

Add the following to Section 109 of the Standard Specifications.

“109.14 Subcontractor and Disadvantaged Business Enterprise Payment Reporting. The Contractor shall report all payments made to the following parties:

- (a) first tier subcontractors;
- (b) lower tier subcontractors affecting disadvantaged business enterprise (DBE) goal credit;
- (c) material suppliers or trucking firms that are part of the Contractor’s submitted DBE utilization plan.

The report shall be made through the Department’s on-line subcontractor payment reporting system within 21 days of making the payment.”

SUBCONTRACTOR MOBILIZATION PAYMENTS (BDE)

Effective: November 2, 2017
Revised: April 1, 2019

Replace the second paragraph of Article 109.12 of the Standard Specifications with the following:

“This mobilization payment shall be made at least seven days prior to the subcontractor starting work. The amount paid shall be at the following percentage of the amount of the subcontract reported on form BC 260A submitted for the approval of the subcontractor’s work.

Value of Subcontract Reported on Form BC 260A	Mobilization Percentage
Less than \$10,000	25%
\$10,000 to less than \$20,000	20%
\$20,000 to less than \$40,000	18%
\$40,000 to less than \$60,000	16%
\$60,000 to less than \$80,000	14%
\$80,000 to less than \$100,000	12%
\$100,000 to less than \$250,000	10%
\$250,000 to less than \$500,000	9%
\$500,000 to \$750,000	8%
Over \$750,000	7%”

SUBMISSION OF PAYROLL RECORDS (BDE)

Effective: April 1, 2021 Revised: November 2, 2023

FEDERAL AID CONTRACTS. Revise the following section of Check Sheet #1 of the Recurring Special Provisions to read:

“STATEMENTS AND PAYROLLS

The payroll records shall include the worker’s name, social security number, last known address, telephone number, email address, classification(s) of work actually performed, hourly rates of wages paid (including rates of contributions or costs anticipated for bona fide fringe benefits or cash equivalents thereof), daily and weekly number of hours actually worked in total, deductions made, and actual wages paid.

The Contractor and each subcontractor shall submit certified payroll records to the Department each week from the start to the completion of their respective work, except that full social security numbers, last known addresses, telephone numbers, and email addresses shall not be included on weekly submittals. Instead, the payrolls need only include an identification number for each employee (e.g., the last four digits of the employee’s social security number). The submittals shall be made using LCPTracker Pro software. The software is web-based and can be accessed at <https://lcptracker.com/>. When there has been no activity during a work week,

a payroll record shall still be submitted with the appropriate option (“No Work”, “Suspended”, or “Complete”) selected.”

STATE CONTRACTS. Revise Item 3 of Section IV of Check Sheet #5 of the Recurring Special Provisions to read:

- “3. Submission of Payroll Records. The Contractor and each subcontractor shall, no later than the 15th day of each calendar month, file a certified payroll for the immediately preceding month to the Illinois Department of Labor (IDOL) through the Illinois Prevailing Wage Portal in compliance with the State Prevailing Wage Act (820 ILCS 130). The portal can be found on the IDOL website at <https://www2.illinois.gov/idol/Laws-Rules/CONMED/Pages/Prevailing-Wage-Portal.aspx>. Payrolls shall be submitted in the format prescribed by the IDOL.

In addition to filing certified payroll(s) with the IDOL, the Contractor and each subcontractor shall certify and submit payroll records to the Department each week from the start to the completion of their respective work, except that full social security numbers shall not be included on weekly submittals. Instead, the payrolls shall include an identification number for each employee (e.g., the last four digits of the employee’s social security number). In addition, starting and ending times of work each day may be omitted from the payroll records submitted. The submittals shall be made using LCPtracker Pro software. The software is web-based and can be accessed at <https://lcptracker.com/>. When there has been no activity during a work week, a payroll record shall still be submitted with the appropriate option (“No Work”, “Suspended”, or “Complete”) selected.”

WEEKLY DBE TRUCKING REPORTS (BDE)

Effective: June 2, 2012

Revised: November 1, 2021

The Contractor shall submit a weekly report of Disadvantaged Business Enterprise (DBE) trucks hired by the Contractor or subcontractors (i.e. not owned by the Contractor or subcontractors) that are used for DBE goal credit.

The report shall be submitted to the Engineer on Department form “SBE 723” within ten business days following the reporting period. The reporting period shall be Sunday through Saturday for each week reportable trucking activities occur.

Any costs associated with providing weekly DBE trucking reports shall be considered as included in the contract unit prices bid for the various items of work involved and no additional compensation will be allowed.

WORK ZONE TRAFFIC CONTROL DEVICES (BDE)

Effective: March 2, 2020

Add the following to Article 701.03 of the Standard Specifications:

“(q) Temporary Sign Supports1106.02”

Revise the third paragraph of Article 701.14 of the Standard Specifications to read:

“For temporary sign supports, the Contractor shall provide a FHWA eligibility letter for each device used on the contract. The letter shall provide information for the set-up and use of the device as well as a detailed drawing of the device. The signs shall be supported within 20 degrees of vertical. Weights used to stabilize signs shall be attached to the sign support per the manufacturer’s specifications.”

Revise the first paragraph of Article 701.15 of the Standard Specifications to read:

“701.15 Traffic Control Devices. For devices that must meet crashworthiness standards, the Contractor shall provide a manufacturer’s self-certification or a FHWA eligibility letter for each Category 1 device and a FHWA eligibility letter for each Category 2 and Category 3 device used on the contract. The self-certification or letter shall provide information for the set-up and use of the device as well as a detailed drawing of the device.”

Revise the first six paragraphs of Article 1106.02 of the Standard Specifications to read:

“1106.02 Devices. Work zone traffic control devices and combinations of devices shall meet crashworthiness standards for their respective categories. The categories are as follows.

Category 1 includes small, lightweight, channelizing and delineating devices that have been in common use for many years and are known to be crashworthy by crash testing of similar devices or years of demonstrable safe performance. These include cones, tubular markers, plastic drums, and delineators, with no attachments (e.g. lights). Category 1 devices manufactured after December 31, 2019 shall be MASH-16 compliant. Category 1 devices manufactured on or before December 31, 2019, and compliant with NCHRP 350 or MASH 2009, may be used on contracts let before December 31, 2024.

Category 2 includes devices that are not expected to produce significant vehicular velocity change but may otherwise be hazardous. These include vertical panels with lights, barricades, temporary sign supports, and Category 1 devices with attachments (e.g. drums with lights). Category 2 devices manufactured after December 31, 2019 shall be MASH-16 compliant. Category 2 devices manufactured on or before December 31, 2019, and compliant with NCHRP 350 or MASH 2009, may be used on contracts let before December 31, 2024.

Category 3 includes devices that are expected to cause significant velocity changes or other potentially harmful reactions to impacting vehicles. These include crash cushions (impact attenuators), truck mounted attenuators, and other devices not meeting the definitions of Category 1 or 2. Category 3 devices manufactured after December 31, 2019 shall be MASH-16 compliant. Category 3 devices manufactured on or before December 31, 2019, and compliant

with NCHRP 350 or MASH 2009, may be used on contracts let before December 31, 2029. Category 3 devices shall be crash tested for Test Level 3 or the test level specified.

Category 4 includes portable or trailer-mounted devices such as arrow boards, changeable message signs, temporary traffic signals, and area lighting supports. It is preferable for Category 4 devices manufactured after December 31, 2019 to be MASH-16 compliant; however, there are currently no crash tested devices in this category, so it remains exempt from the NCHRP 350 or MASH compliance requirement.

For each type of device, when no more than one MASH-16 compliant is available, an NCHRP 350 or MASH-2009 compliant device may be used, even if manufactured after December 31, 2019.”

Revise Articles 1106.02(g), 1106.02(k), and 1106.02(l) to read:

“(g) Truck Mounted/Trailer Mounted Attenuators. The attenuator shall be approved for use at Test Level 3. Test Level 2 may be used for normal posted speeds less than or equal to 45 mph.

(k) Temporary Water Filled Barrier. The water filled barrier shall be a lightweight plastic shell designed to accept water ballast and be on the Department’s qualified product list.

Shop drawings shall be furnished by the manufacturer and shall indicate the deflection of the barrier as determined by acceptance testing; the configuration of the barrier in that test; and the vehicle weight, velocity, and angle of impact of the deflection test. The Engineer shall be provided one copy of the shop drawings.

(l) Movable Traffic Barrier. The movable traffic barrier shall be on the Department’s qualified product list.

Shop drawings shall be furnished by the manufacturer and shall indicate the deflection of the barrier as determined by acceptance testing; the configuration of the barrier in that test; and the vehicle weight, velocity, and angle of impact of the deflection test. The Engineer shall be provided one copy of the shop drawings. The barrier shall be capable of being moved on and off the roadway on a daily basis.”

WORKING DAYS (BDE)

Effective: January 1, 2002

The Contractor shall complete the work within **40** working days.

REVISIONS TO THE ILLINOIS PREVAILING WAGE RATES

The Prevailing rates of wages are included in the Contract proposals which are subject to Check Sheet #5 of the Supplemental Specifications and Recurring Special Provisions. The rates have been ascertained and certified by the Illinois Department of Labor for the locality in which the work is to be performed and for each craft or type of work or mechanic needed to execute the work of the Contract. As required by Prevailing Wage Act (820 ILCS 130/0.01, et seq.) and Check Sheet #5 of the Contract, not less than the rates of wages ascertained by the Illinois Department of Labor and as revised during the performance of a Contract shall be paid to all laborers, workers and mechanics performing work under the Contract. Post the scale of wages in a prominent and easily accessible place at the site of work.

If the Illinois Department of Labor revises the prevailing rates of wages to be paid as listed in the specification of rates, the contractor shall post the revised rates of wages and shall pay not less than the revised rates of wages. Current wage rate information shall be obtained by visiting the Illinois Department of Labor web site at <http://www.state.il.us/agency/idol/> or by calling 312-793-2814. It is the responsibility of the contractor to review the rates applicable to the work of the contract at regular intervals in order to insure the timely payment of current rates. Provision of this information to the contractor by means of the Illinois Department of Labor web site satisfies the notification of revisions by the Department to the contractor pursuant to the Act, and the contractor agrees that no additional notice is required. The contractor shall notify each of its subcontractors of the revised rates of wages.